

FIG. 1

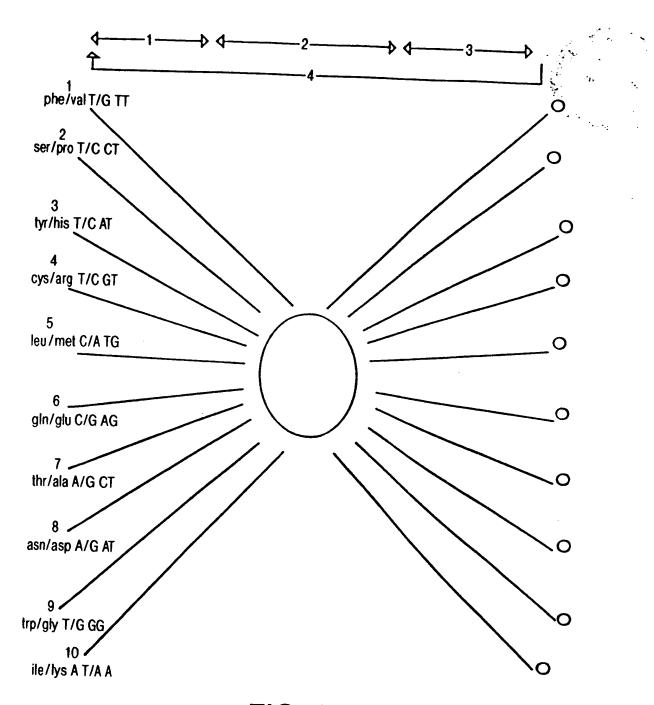
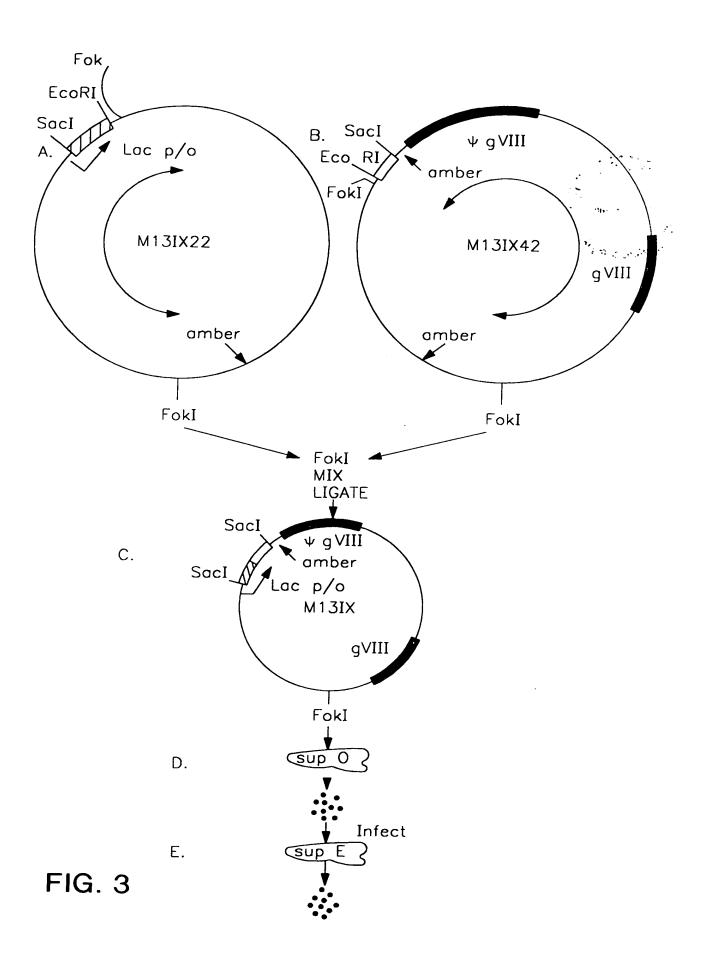


FIG. 2



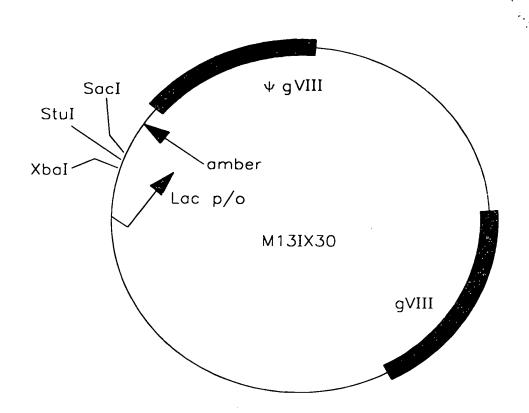


FIG. 4

		lO 1 2	20 1 3	30 ı <i>i</i>	10 I =	50 I 6	
			AG AATTGATGO	CC ACCTTTTC	AG CTCGCGCCC	C AAATGAAAA	
						С ТАААТСТАС	
						A CCGTACTT	
						G CTCTAAGCC	
						A TCCTGACCT	
						G ATATTTGAA	
36	1 TCTTTCGGG	C TTCCTCTTA	A TCTTTTTGA	T GCAATCCGC	T TTGCTTCTG	A CTATAATAG	г 4 20
42	1 CAGGGTAAA	G ACCTGATTT	T TGATTTATG	G TCATTCTCG	T TTTCTGAAC	T GTTTAAAGC	A 480
48	1 TTTGAGGGG	G ATTCAATGA	A TATTTATGA	C GATTCCGCA	G TATTGGACG	C TATCCAGTC	r 540
54	1 AAACATTTT.	A CTATTACCC	C CTCTGGCAA	А АСТТСТТТ	G CAAAAGCCT	C TCGCTATTT	r 600
601	l GGTTTTTAT	C GTCGTCTGG	T AAACGAGGG	T TATGATAGT	G TTGCTCTTA	C TATGCCTCG	660
662	l AATTCCTTT	r GGCGTTATG	r ATCTGCATT	A GTTGAATGT	G GTATTCCTA	A ATCTCAACTO	720
723	l ATGAATCTT	r ctacctgta	A TAATGTTGT	r ccgttagtt	C GTTTTATTA	CGTAGATTTT	780
781	L TCTTCCCAAC	GTCCTGACT	G GTATAATGA	G CCAGTTCTT	A AAATCGCATA	A AGGTAATTCA	840
841	CAATGATTAA	A AGTTGAAATT	AAACCATCT	AAGCCCAAT	TACTACTCGT	TCTGGTGTTT	900
901	CTCGTCAGG	G CAAGCCTTAT	TCACTGAAT	G AGCAGCTTT	G TTACGTTGAT	TTGGGTAATG	960
961	AATATCCGGT	TCTTGTCAAG	ATTACTCTTG	ATGAAGGTC	GCCAGCCTAT	GCGCCTGGTC	1020
1021	TGTACACCGT	TCATCTGTCC	TCTTTCAAAC	TTGGTCAGTT	CGGTTCCCTT	ATGATTGACC	1080
1081	GTCTGCGCCT	CGTTCCGGCT	' AAGTAACATG	GAGCAGGTCG	CGGATTTCGA	САСААТТТАТ	1140
1141	CAGGCGATGA	TACAAATCTC	CGTTGTACTT	TGTTTCGCGC	TTGGTATAAT	CGCTGGGGGT	1200
1201	CAAAGATGAG	TGTTTTAGTG	TATTCTTTCG	CCTCTTTCGT	TTTAGGTTGG	TGCCTTCGTA	1260
1261	GTGGCATTAC	GTATTTTACC	CGTTTAATGG	AAACTTCCTC	ATGAAAAAGT	CTTTAGTCCT	1320
1321	CAAAGCCTCT	GTAGCCGTTG	CTACCCTCGT	TCCGATGCTG	TCTTTCGCTG	CTGAGGGTGA	1380
1381	CGATCCCGCA	AAAGCGGCCT	TTAACTCCCT	GCAAGCCTCA	GCGACCGAAT	ATATCGGTTA	1440
1441	TGCGTGGGCG	ATGGTTGTTG	TCATTGTCGG	CGCAACTATC	GGTATCAAGC	TGTTTAAGAA	1500
1501	ATTCACCTCG	AAAGCAAGCT	GATAAACCGA	TACAATTAAA	GGCTCCTTTT	GGAGCCTTTT	1560
						TGTTCCTTTC	
1621	TATTCTCACT	CCGCTGAAAC	TGTTGAAAGT	TGTTTAGCAA	AACCCCATAC	AGAAAATTCA	1680
1681	TTTACTAACG	TCTGGAAAGA	CGACAAAACT	TTAGATCGTT	ACGCTAACTA	TGAGGGTTGT	1740

FIG. 5A

1741	CTGTGGAATG	CTACAGGCGT	TGTAGTTTGT	ACTGGTGACG	AAACTCAGTG	TTACGGTACA	1800
1801	TGGGTTCCTA	TTGGGCTTGC	TATCCCTGAA	AATGAGGGTG	GTGGCTCTGA	GGGTGGCGGT	1860
1861	TCTGAGGGTG	GCGGTTCTGA	GGGTGGCGGT	ACTAAACCTC	CTGAGTACGG	TGATACACCT	1920
1921	ATTCCGGGCT	ATACTTATAT	CAACCCTCTC	GACGGCACTT	ATCCGCCTGG	TACTGAGCAA	1980
1981	AACCCCGCTA	ATCCTAATCC	TTCTCTTGAG	GAGTCTCAGC	CTCTTAATAC	TTTCATGTTT	2040
2041	CAGAATAATA	GGTTCCGAAA	TAGGCAGGGG	GCATTAACTG	TTTATACGGG	CACTGTTACT	2100
2101	CAAGGCACTG	ACCCCGTTAA	AACTTATTAC	CAGTACACTC	CTGTATCATC	AAAAGCCATG	2160
2161	TATGACGCTT	ACTGGAACGG	TAAATTCAGA	GACTGCGCTT	TCCATTCTGG	CTTTAATGAA	2220
2221	GATCCATTCG	TTTGTGAATA	TCAAGGCCAA	TCGTCTGACC	TGCCTCAACC	TCCTGTCAAT	2280
2281	GCTGGCGGCG	GCTCTGGTGG	TGGTTCTGGT	GGCGGCTCTG	AGGGTGGTGG	CTCTGAGGGT	2340
2341	GGCGGTTCTG	AGGGTGGCGG	CTCTGAGGGA	GGCGGTTCCG	GTGGTGGCTC	TGGTTCCGGT	2400
2401	GATTTTGATT	ATGAAAAGAT	GGCAAACGCT	AATAAGGGGG	CTATGACCGA	AAATGCCGAT	2460
2461	GAAAACGCGC	TACAGTCTGA	CGCTAAAGGC	AAACTTGATT	CTGTCGCTAC	TGATTACGGT	2520
2521	GCTGCTATCG	ATGGTTTCAT	TGGTGACGTT	TCCGGCCTTG	CTAATGGTAA	TGGTGCTACT	2580
2581	GGTGATTTTG	CTGGCTCTAA	TTCCCAAATG	GCTCAAGTCG	GTGACGGTGA	TAATTCACCT	2640
2641	TTAATGAATA	ATTTCCGTCA	ATATTTACCT	TCCCTCCCTC	AATCGGTTGA	ATGTCGCCCT	2700
2701	TTTGTCTTTA	GCGCTGGTAA	ACCATATGAA	TTTTCTATTG	ATTGTGACAA	AATAAACTTA	2760
2761	TTCCGTGGTG	TCTTTGCGTT	TCTTTTATAT	GTTGCCACCT	TTATGTATGT	ATTTTCTACG	2820
2821	TTTGCTAACA	TACTGCGTAA	TAAGGAGTCT	TAATCATGCC	AGTTCTTTTG	GGTATTCCGT	2880
2881	TATTATTGCG	TTTCCTCGGT	TTCCTTCTGG	TAACTTTGTT	CGGCTATCTG	CTTACTTTTC	2940
2941	TTAAAAAGGG	CTTCGGTAAG	ATAGCTATTG	CTATTTCATT	GTTTCTTGCT	CTTATTATTG	3000
3001	GGCTTAACTC	AATTCTTGTG	GGTTATCTCT	CTGATATTAG	CGCTCAATTA	CCCTCTGACT	3060
3061	TTGTTCAGGG	TGTTCAGTTA	ATTCTCCCGT	CTAATGCGCT	TCCCTGTTTT	TATGTTATTC	3120
3121	TCTCTGTAAA	GGCTGCTATT	TTCATTTTTG	ACGTTAAACA	AAAAATCGTT	TCTTATTTGG	3180
3181	ATTGGGATAA	ATAATATGGC	TGTTTATTT	GTAACTGGCA	AATTAGGCTC	TGGAAAGACG	3240
3241	CTCGTTAGCG	TTGGTAAGAT	TCAGGATAAA	ATTGTAGCTG	GGTGCAAAAT	AGCAACTAAT	3300
3301	CTTGATTTAA	GGCTTCAAAA	CCTCCCGCAA	GTCGGGAGGT	TCGCTAAAAC	GCCTCGCGTT	3360
3361	CTTAGAATAC	CGGATAAGCC	TTCTATATCT	GATTTGCTTG	CTATTGGGCG	CGGTAATGAT	3420
3421	TCCTACGATG	ААААТАААА	CGGCTTGCTT	GTTCTCGATG	AGTGCGGTAC	TTGGTTTAAT	3480
3481	ACCCGTTCTT	GGAATGATAA	GGAAAGACAG	CCGATTATTG	ATTGGTTTCT	ACATGCTCGT	3540
3541	AAATTAGGAT	GGGATATTAT	CTTCCTTGTT	CAGGACTTAT	CTATTGTTGA	TAAACAGGCG	3600
3601	CGTTCTGCAT	TAGCTGAACA	TGTTGTTTAT	TGTCGTCGTC	TGGACAGAAT	TACTTTACCT	3660

FIG. 5B

3661	TTTGTCGGTA	CTTTATATTC	TCTTATTACT	GGCTCGAAAA	TGCCTCTGCC	TAAATTACAT	3720
3721	GTTGGCGTTG	TTAAATATGG	CGATTCTCAA	TTAAGCCCTA	CTGTTGAGCG	TTGGCTTTAT	3780
3781	ACTGGTAAGA	ATTTGTATAA	CGCATATGAT	ACTAAACAGG	CTTTTTCTAG	TAATTATGAT	3840
3841	TCCGGTGTTT	ATTCTTATTT	AACGCCTTAT	TTATCACACG	GTCGGTATTT	САААССАТТА	3900
3901	AATTTAGGTC	AGAAGATGAA	GCTTACTAAA	ATATATTTGA	AAAAGTTTTC	ACGCGTTCTT	3960
3961	TGTCTTGCGA	TTGGATTTGC	ATCAGCATTT	ACATATAGTT	ATATAACCCA	ACCTAAGCCG	4020
4021	GAGGTTAAAA	AGGTAGTCTC	TCAGACCTAT	GATTTTGATA	AATTCACTAT	TGACTCTTCT	4.080
4081	CAGCGTCTTA	ATCTAAGCTA	TCGCTATGTT	TTCAAGGATT	CTAAGGGAAA	ATTAATTAAT	4140
4141	AGCGACGATT	TACAGAAGCA	AGGTTATTCA	CTCACATATA	TTGATTTATG	TACTGTTTCC	4200
4201	ATTAAAAAGG	TAATTCAAAT	GAAATTGTTA	AATGTAATTA	ATTTTGTTTT	CTTGATGTTT	4260
4261	GTTTCATCAT	CTTCTTTTGC	TCAGGTAATT	GAAATGAATA	ATTCGCCTCT	GCGCGATTTT	4320
4321	GTAACTTGGT	ATTCAAAGCA	ATCAGGCGAA	TCCGTTATTG	TTTCTCCCGA	TGTAAAAGGT	4380
4381	ACTGTTACTG	TATATTCATC	TGACGTTAAA	CCTGAAAATC	TACGCAATTT	CTTTATTTCT	4440
4441	GTTTTACGTG	CTAATAATTT	TGATATGGTT	GGTTCAATTC	CTTCCATTAT	TTAGAAGTAT	4500
4501	AATCCAAACA	ATCAGGATTA	TATTGATGAA	TTGCCATCAT	CTGATAATCA	GGAATATGAT	4560
4561	GATAATTCCG	CTCCTTCTGG	TGGTTTCTTT	GTTCCGCAAA	ATGATAATGT	TACTCAAACT	4620
4621	TTTAAAATTA	ATAACGTTCG	GGCAAAGGAT	TTAATACGAG	TTGTCGAATT	GTTTGTAAAG	4680
460i	TCTAATACTT	СТАААТССТС	AAATGTATTA	TCTATTGACG	GCTCTAATCT	ATTAGTTGTT	4740
4741	AGTGCACCTA	AAGATATTTT	AGATAACCTT	CCTCAATTCC	TTTCTACTGT	TGATTTGCCA	4800
4801	ACTGACCAGA	TATTGATTGA	GGGTTTGATA	TTTGAGGTTC	AGCAAGGTGA	TGCTTTAGAT	4860
4861	TTTTCATTTG	СТССТСССТС	TCAGCGTGGC	ACTGTTGCAG	GCGGTGTTAA	TACTGACCGC	4920
49210	CTCACCTCTG T	TTTATCTTC T	GCTGGTGGT T	CGTTCGGTA T	TTTTAATGG (GATGTTTTA 4	1980
4981	GGGCTATCAG	TTCGCGCATT	AAAGACTAAT	AGCCATTCAA	AAATATTGTC	TGTGCCACGT	5040
5041	ATTCTTACGC	TTTCAGGTCA	GAAGGGTTCT	ATCTCTGTTG	GCCAGAATGT	CCCTTTTATT	5100
5101	ACTGGTCGTG	TGACTGGTGA	ATCTGCCAAT	GTAAATAATC	CATTTCAGAC	GATTGAGCGT	5160
5161	CAAAATGTAG	GTATTTCCAT	GAGCGTTTTT	CCTGTTGCAA	TGGCTGGCGG	TAATATTGTT	5220
5221	CTGGATATTA	CCAGCAAGGC	CGATAGTTTG	AGTTCTTCTA	CTCAGGCAAG	TGATGTTATT	5280
5281	АСТААТСААА	GAAGTATTGC	TACAACGGTT	AATTTGCGTG	ATGGACAGAC	тсттттастс	5340
5341	GGTGGCCTCA	CTGATTATAA	AAACACTTCT	CAAGATTCTG	GCGTACCGTT	CCTGTCTAAA	5400
5401	ATCCCTTTAA	TCGGCCTCCT	GTTTAGCTCC	CGCTCTGATT	CCAACGAGGA	AAGCACGTTA	5460
5461	TACGTGCTCG	TCAAAGCAAC	CATAGTACGC	GCCCTGTAGC	GGCGCATTAA	GCGCGGCGGG	5520
5521	TGTGGTGGTT	ACGCGCAGCG	TGACCGCTAC	ACTTGCCAGC	GCCCTAGCGC	CCGCTCCTTT	5580

FIG. 5C

2201	CGCITICITC	CCITCCITIC	ICGCCACGII	CGCCGGC111	CCCCGTCAAG	CICIAAAICG	3640
5641	GGGGCTCCCT	TTAGGGTTCC	GATTTAGTGC	TTTACGGCAC	CTCGACCCCA	AAAAACTTGA	5700
5701	TTTGGGTGAT	GGTTCACGTA	GTGGGCCATC	GCCCTGATAG	ACGGTTTTTC	GCCCTTTGAC	5760
5761	GTTGGAGTCC	ACGTTCTTTA	ATAGTGGACT	CTTGTTCCAA	ACTGGAACAA	CACTCAACCC	5820
5821	TATCTCGGGC	TATTCTTTTG	ATTTATAAGG	GATTTTGCCG	ATTTCGGAAC	CACCATCAAA	5880
5881	CAGGATTTTC	GCCTGCTGGG	GCAAACCAGC	GTGGACCGCT	TGCTGCAACT	CTCTCAGGGC	5940
5941	CAGGCGGTGA	AGGGCAATCA	GCTGTTGCCC	GTCTCGCTGG	TGAAAAGAAA	AACCACCCTG.	6000
6001	GCGCCCAATA	CGCAAACCGC	CTCTCCCCGC	GCGTTGGCCG	ATTCATTAAT	GCAGCTGGCA	6060
6061	CGACAGGTTT	CCCGACTGGA	AAGCGGGCAG	TGAGCGCAAC	GCAATTAATG	TGAGTTAGCT	6120
6121	CACTCATTAG	GCACCCCAGG	CTTTACACTT	TATGCTTCCG	GCTCGTATGT	TGTGTGGAAT	6180
6181	TGTGAGCGGA	TAACAATTTC	ACACAGGAAA	CAGCTATGAC	CAGGATGTAC	GAATTCGCAG	6240
6241	GTAGGAGAGC	TCGGCGGATC	CTAGGCTGAA	GGCGATGACC	CTGCTAAGGC	TGCATTCAAT	6300
6301	AGTTTACAGG	CAAGTGCTAC	TGAGTACATT	GGCTACGCTT	GGGCTATGGT	AGTAGTTATA	6360
6361	GTTGGTGCTA	CCATAGGGAT	TAAATTATTC	AAAAAGTTTA	CGAGCAAGGC	TTCTTAACCA	6420
6421	GCTGGCGTAA	TAGCGAAGAG	GCCCGCACCG	ATCGCCCTTC	CCAACAGTTG	CGCAGCCTGA	6480
6481	ATGGCGAATG	GCGCTTTGCC	TGGTTTCCGG	CACCAGAAGC	GGTGCCGGAA	AGCTGGCTGG	6540
6541	AGTGCGATCT	TCCTGAGGCC	GATACGGTCG	TCGTCCCCTC	AAACTGGCAG	ATGCACGGTT	6600
6601	ACGATGCGCC	CATCTACACC	AACGTAACCT	ATCCCATTAC	GGTCAATCCG	CCGTTTGTTC	6660
6661	CCACGGAGAA	TCCGACGGGT	TGTTACTCGC	TCACATTTAA	TGTTGATGAA	AGCTGGCTAC	6720
6721	AGGAAGGCCA	GACGCGAATT	ATTTTTGATG	GCGTTCCTAT	TGGTTAAAAA	ATGAGCTGAT	6780
6781	TTAACAAAAA	TTTAACGCGA	ATTTTAACAA	AATATTAACG	TTTACAATTT	AAATATTTGC	6840
6841	TTATACAATC	TTCCTGTTTT	TGGGGCTTTT	CTGATTATCA	ACCGGGGTAC	ATATGATTGA	6900
6901	CATGCTAGTT	TTACGATTAC	CGTTCATCGA	TTCTCTTGTT	TGCTCCAGAC	TCTCAGGCAA	6960
6961	TGACCTGATA	GCCTTTGTAG	ATCTCTCAAA	AATAGCTACC	CTCTCCGGCA	TTAATTTATC	7020
7021	AGCTAGAACG	GTTGAATATC	ATATTGATGG	TGATTTGACT	GTCTCCGGCC	TTTCTCACCC	7080
7081	TTTTGAATCT	TTACCTACAC	ATTACTCAGG	CATTGCATTT	AAAATATATG	AGGGTTCTAA	7140
7141	AAATTTTTAT	CCTTGCGTTG	AAATAAAGGC	TTCTCCCGCA	AAAGTATTAC	AGGGTCATAA	7200
7201	TGTTTTTGGT	ACAACCGATT	TAGCTTTATG	CTCTGAGGCT	TTATTGCTTA	ATTTTGCTAA	7260
7261		TGCCTGTATG			1 50	1 60	7294

FIG. 5D

1	I 10 AATGCTACTA	I 20 CTATTAGTAG	1 30 AATTGATGCC	ACCTTTTCAG	CTCGCGCCCC	00 AAATGAAAAT	60
61	ATAGCTAAAC	AGGTTATTGA	CCATTTGCGA	AATGTATCTA	ATGGTCAAAC	ТАААТСТАСТ	120
121	CGTTCGCAGA	ATTGGGAATC	AACTGTTACA	TGGAATGAAA	CTTCCAGACA	CCGTACTTTA	180
181	GTTGCATATT	TAAAACATGT	TGAGCTACAG	CACCAGATTC	AGCAATTAAG	CTCTAAGCCA	240.
241	TCTGCAAAAA	TGACCTCTTA	TCAAAAGGAG	CAATTAAAGG	ТАСТСТСТАА	TCCTGACCTG	300
301	TTGGAGTTTG	CTTCCGGTCT	GGTTCGCTTT	GAAGCTCGAA	TTAAAACGCG	ATATTTGAAG	360
361	TCTTTCGGGC	TTCCTCTTAA	TCTTTTTGAT	GCAATCCGCT	TTGCTTCTGA	CTATAATAGT	420
421	CAGGGTAAAG	ACCTGATTTT	TGATTTATGG	TCATTCTCGT	TTTCTGAACT	GTTTAAAGCA	480
481	TTTGAGGGGG	ATTCAATGAA	TATTTATGAC	GATTCCGCAG	TATTGGACGC	TATCCAGTCT	540
541	AAACATTTTA	CTATTACCCC	CTCTGGCAAA	ACTTCTTTTG	CAAAAGCCTC	TCGCTATTTT	600
601	GGTTTTTATC	GTCGTCTGGT	AAACGAGGGT	TATGATAGTG	TTGCTCTTAC	TATGCCTCGT	660
661	AATTCCTTTT	GGCGTTATGT	ATCTGCATTA	GTTGAATGTG	GTATTCCTAA	ATCTCAACTG	720
721	ATGAATCTTT	CTACCTGTAA	TAATGTTGTT	CCGTTAGTTC	GTTTTATTAA	CGTAGATTTT	780
781	TCTTCCCAAC	GTCCTGACTG	GTATAATGAG	CCAGTTCTTA	AAATCGCATA	AGGTAATTCA	840
841	CAATGATTAA	AGTTGAAATT	AAACCATCTC	AAGCCCAATT	TACTACTCGT	TCTGGTGTTT	900
901	CTCGTCAGGG	CAAGCCTTAT	TCACTGAATG	AGCAGCTTTG	TTACGTTGAT	TTGGGTAATG	960
961	AATATCCGGT	TCTTGTCAAG	ATTACTCTTG	ATGAAGGTCA	GCCAGCCTAT	GCGCCTGGTC	1020
021	TGTACACCGT	TCATCTGTCC	TCTTTCAAAG	TTGGTCAGTT	CGGTTCCCTT	ATGATTGACC	1080
081	GTCTGCGCCT	CGTTCCGGCT	AAGTAACATG	GAGCAGGTCG	CGGATTTCGA	CACAATTTAT	1140
141	CAGGCGATGA	TACAAATCTC	CGTTGTACTT	TGTTTCGCGC	TTGGTATAAT	CGCTGGGGGT	1200
201	CAAAGATGAG	TGTTTTAGTG	TATTCTTTCG	CCTCTTTCGT	TTTAGGTTGG	TGCCTTCGTA	1260
261	GTGGCATTAC	GTATTTTACC	CGTTTAATGG	AAACTTCCTC	ATGAAAAAGT	CTTTAGTCCT	1320
321	CAAAGCCTCT	GTAGCCGTTG	CTACCCTCGT	TCCGATGCTG	TCTTTCGCTG	CTGAGGGTGA	1380
381	CGATCCCGCA	AAAGCGGCCT	TTAACTCCCT	GCAAGCCTCA	GCGACCGAAT	ATATCGGTTA	1440
441	TGCGTGGGCG	ATGGTTGTTG	TCATTGTCGG	CGCAACTATC	GGTATCAAGC	TGTTTAAGAA	1500
501	ATTCACCTCG	AAAGCAAGCT	GATAAACCGA	TACAATTAAA	GGCTCCTTTT	GGAGCCTTTT	1560
561	TTTTTGGAGA	TTTTCAACGT	GAAAAAATTA	TTATTCGCAA	TTCCTTTAGT	TGTTCCTTTC	1620
1621	TATTCTCACT	CCGCTGAAAC	TGTTGAAAGT	TGTTTAGCAA	AACCCCATAC	AGAAAATTCA	1680
		TCTGGAAAGA					
		CTACAGGCGT					
1801	TGGGTTCCTA	TTGGGCTTGC	TATCCCTGAA	AATGAGGGTG	GTGGCTCTGA	GGGTGGCGGT	1860

FIG. 6A

1861	TCTGAGGGTG	GCGGTTCTGA	GGGTGGCGGT	ACTAAACCTC	CTGAGTACGG	TGATACACCT	1920
1921	ATTCCGGGCT	ATACTTATAT	CAACCCTCTC	GACGGCACTT	ATCCGCCTGG	TACTGAGCAA	1980
1981	AACCCCGCTA	ATCCTAATCC	TTCTCTTGAG	GAGTCTCAGC	CTCTTAATAC	TTTCATGTTT	2040
2041	CAGAATAATA	GGTTCCGAAA	TAGGCAGGGG	GCATTAACTG	TTTATACGGG	CACTGTTACT	2100
2101	CAAGGCACTG	ACCCCGTTAA	AACTTATTAC	CAGTACACTC	CTGTATCATC	AAAAGCCATG	2160 .
2161	TATGACGCTT	ACTGGAACGG	TAAATTCAGA	GACTGCGCTT	TCCATTCTGG	CTTTAATGAA	2220
2221	GATCCATTCG	TTTGTGAATA	TCAAGGCCAA	TCGTCTGACC	TGCCTCAACC	TCCTGTCAAT	2280
2281	GCTGGCGGCG	GCTCTGGTGG	TGGTTCTGGT	GGCGGCTCTG	AGGGTGGTGG	CTCTGAGGGT	2340
2341	GGCGGTTCTG	AGGGTGGCGG	CTCTGAGGGA	GGCGGTTCCG	GTGGTGGCTC	TGGTTCCGGT	2400
2401	GATTTTGATT	ATGAAAAGAT	GGCAAACGCT	AATAAGGGGG	CTATGACCGA	AAATGCCGAT	2460
2461	GAAAACGCGC	TACAGTCTGA	CGCTAAAGGC	AAACTTGATT	CTGTCGCTAC	TGATTACGGT	2520
2521	GCTGCTATCG	ATGGTTTCAT	TGGTGACGTT	TCCGGCCTTG	CTAATGGTAA	TGGTGCTACT	2580
2581	GGTGATTTTG	CTGGCTCTAA	TTCCCAAATG	GCTCAAGTCG	GTGACGGTGA	TAATTCACCT	2640
2641	TTAATGAATA	ATTTCCGTCA	ATATTTACCT	TCCCTCCCTC	AATCGGTTGA	ATGTCGCCCT	2700
2701	TTTGTCTTTA	GCGCTGGTAA	ACCATATGAA	TTTTCTATTG	ATTGTGACAA	AATAAACTTA	2760
2761	TTCCGTGGTG	TCTTTGCGTT	TCTTTTATAT	GTTGCCACCT	TTATGTATGT	ATTTTCTACG	2820
2821	TTTGCTAACA	TACTGCGTAA	TAAGGAGTCT	TAATCATGCC	AGTTCTTTTG	GGTATTCCGT	2880
2881	TATTATTGCG	TTTCCTCGGT	TTCCTTCTGG	TAACTTTGTT	CGGCTATCTG	CTTACTTTTC	2940
2941	TTAAAAAGGG	CTTCGGTAAG	ATAGCTATTG	CTATTTCATT	GTTTCTTGCT	CTTATTATTG	3000
3001	GGCTTAACTC	AATTCTTGTG	GGTTATCTCT	CTGATATTAG	CGCTCAATTA	CCCTCTGACT	3060
3061	TTGTTCAGGG	TGTTCAGTTA	ATTCTCCCGT	CTAATGCGCT	TCCCTGTTTT	TATGTTATTC	3120
3121	TCTCTGTAAA	GGCTGCTATT	TTCATTTTTG	ACGTTAAACA	AAAAATCGTT	TCTTATTTGG	3180
3181	ATTGGGATAA	ATAATATGGC	TGTTTATTT	GTAACTGGCA	AATTAGGCTC	TGGAAAGACG	3240
3241	CTCGTTAGCG	TTGGTAAGAT	TTAGGATAAA	ATTGTAGCTG	GGTGCAAAAT	AGCAACTAAT	3300
3301	CTTGATTTAA	GGCTTCAAAA	CCTCCCGCAA	GTCGGGAGGT	TCGCTAAAAC	GCCTCGCGTT	3360
3361	CTTAGAATAC	CGGATAAGCC	TTCTATATCT	GATTTGCTTG	CTATTGGGCG	CGGTAATGAT	3420
3421	TCCTACGATG	AAAATAAAA	CGGCTTGCTT	GTTCTCGATG	AGTGCGGTAC	TTGGTTTAAT	3480
3481	ACCCGTTCTT	GGAATGATAA	GGAAAGACAG	CCGATTATTG	ATTGGTTTCT	ACATGCTCGT	3540
3541	AAATTAGGAT	' GGGATATTAT	сттссттстт	CAGGACTTAT	CTATTGTTGA	TAAACAGGCG	3600
3601	CGTTCTGCAT	TAGCTGAACA	TGTTGTTTAT	тстсстсстс	TGGACAGAAT	TACTTTACCT	3660
3661	TTTGTCGGTA	CTTTATATTC	тсттаттаст	GGCTCGAAAA	TGCCTCTGCC	таааттасат	3720
3721	GTTGGCGTTG	TTAAATATGO	G CGATTCTCAA	TTAAGCCCTA	CTGTTGAGC	TTGGCTTTAT	3780

FIG. 6B

			A CGCATATGAT				
			AACGCCTTAT				
			АТТААСТААА				
			ATCAGCATTT				
			TCAGACCTAT				
			TCGCTATGTT				
			AGGTTATTCA			* 1.35	
4201	ATTAAAAAAG	GTAATTCAAA	TGAAATTGTT	AAATGTAATT	AATTTTGTTT	TCTTGATGTT	4260
			CTCAGGTAAT			•	
			AATCAGGCGA				
4381	TACTGTTACT	GTATATTCAT	CTGACGTTAA	ACCTGAAAAT	CTACGCAATT	TCTTTATTTC	4440
4441	TGTTTTACGT	GCTAATAATT	TTGATATGGT	TGGTTCAATT	CCTTCCATAA	TTCAGAAGTA	4500
4501	TAATCCAAAC	AATCAGGATT	ATATTGATGA	ATTGCCATCA	TCTGATAATC	AGGAATATGA	4560
4561	TGATAATTCC	GCTCCTTCTG	GTGGTTTCTT	TGTTCCGCAA	AATGATAATG	TTACTCAAAC	4620
4621	TTTAAAATT	AATAACGTTC	GGGCAAAGGA	TTTAATACGA	GTTGTCGAAT	TGTTTGTAAA	4680
4681	GTCTAATACT	TCTAAATCCT	CAAATGTATT	ATCTATTGAC	GGCTCTAATC	TATTAGTTGT	4740
4741	TAGTGCACCT	AAAGATATTT	TAGATAACCT	TCCTCAATTC	CTTTCTACTG	TTGATTTGCC	4800
4801	AACTGACCAG	ATATTGATTG	AGGGTTTGAT	ATTTGAGGTT	CAGCAAGGTG	ATGCTTTAGA	4860
4861	TTTTTCATTT	GCTGCTGGCT	CTCAGCGTGG	CACTGTTGCA	GGCĠGTGTTA	ATACTGACCG	4920
4921	CCTCACCTCT	GTTTTATCTT	CTGCTGGTGG	TTCGTTCGGT	ATTTTTAATG	GCGATGTTTT	4980
4981	AGGGCTATCA	GTTCGCGCAT	TAAAGACTAA	TAGCCATTCA	AAAATATTGT	CTGTGCCACG	5040
5041	TATTCTTACG	CTTTCAGGTC	AGAAGGGTTC	TATCTCTGTT	GGCCAGAATG	TCCCTTTTAT	5100
5101	TACTGGTCGT	GTGACTGGTG	AATCTGCCAA	TGTAAATAAT	CCATTTCAGA	CGATTGAGCG	5160
5161	TCAAAATGTA	GGTATTTCCA	TGAGCGTTTT	TCCTGTTGCA	ATGGCTGGCG	GTAATATTGT	5220
5221	TCTGGATATT	ACCAGCAAGG	CCGATAGTTT	GAGTTCTTCT	ACTCAGGCAA	GTGATGTTAT	5280
5281	TACTAATCAA	AGAAGTATTG	CTACAACGGT	TAATTTGCGT	GATGGACAGA	СТСТТТТАСТ	5340
5341	CGGTGGCCTC	ACTGATTATA	AAAACACTTC	TCAAGATTCT	GGCGTACCGT	TCCTGTCTAA	5400
5401	AATCCCTTTA	ATCGGCCTCC	TGTTTAGCTC	CCGCTCTGAT	TCCAACGAGG	AAAGCACGTT	5460
5461	ATACGTGCTC	GTCAAAGCAA	CCATAGTACG	CGCCCTGTAG	CGGCGCATTA	AGCGCGGCGG	5520
5521	GTGTGGTGGT	TACGCGCAGC	GTGACCGCTA	CACTTGCCAG	CGCCCTAGCG	СССССТССТТ	5580
5581	TCGCTTTCTT	CCCTTCCTTT	CTCGCCACGT	TCGCCGGCTT	TCCCCGTCAA	GCTCTAAATC	5640
5641	GGGGGCTCCC	TTTAGGGTTC	CGATTTAGTG	CTTTACGGCA (CCTCGACCCC	AAAAAACTTG	5700

FIG. 6C

5701	ATTTGGGTGA	TGGTTCACGT	AGTGGGCCA	r cgccctgat <i>i</i>	A GACGGTTTT	CGCCCTTTGA	5760
5761	CGTTGGAGTC	CACGTTCTT	AATAGTGGA	C TCTTGTTCC#	AACTGGAACA	ACACTCAACC	5820
5821	CTATCTCGGG	статтсттт	GATTTATAA	G GGATTTTGCC	GATTTCGGAA	CCACCATCAA	5880
5881	ACAGGATTTT	CGCCTGCTGG	GGCAAACCÁG	G CGTGGACCGC	TTGCTGCAAC	TCTCTCAGGG	5940
5941	CCAGGCGGTG	AAGGGCAATC	AGCTGTTGC	CGTCTCGCTG	GTGAAAAGAA	AAACCACCCT	6000
6001	GGCGCCCAAT	ACGCAAACCG	ССТСТСССС	GCGCTTGGCC	GATTCATTAA	TGCAGCTGGC	6060
6061	ACGACAGGTT	TCCCGACTGG	AAAGCGGGCA	GTGAGCGCAA	CGCAATTAAT	GTGAGTTAGC	6120
6121	TCACTCATTA	GGCACCCCAG	GCTTTACACT	TTATGCTTCC	GGCTCGTATG	TTGTGTGGAA	6130
6181	TTGTGAGCGG	ATAACAATTT	CACACGCCAA	GGAGACAGTC	ATAATGAAAT	ACCTATTGCC	6240
6241	TACGGCAGCC	GCTGGATTGT	TATTACTCGC	TGCCCAACCA	GCCATGGCCG	AGCTCGTGAT	6300
6301	GACCCAGACT	CCAGAATTCC	ATCCGGAATG	AGTGTTAATT	CTAGAACGCG	TAAGCTTGGC	6360
6361	ACTGGCCGTC	GTTTTACAAC	GTCGTGACTG	GGAAAACCCT	GGCGTTACCC	AACTTAATCG	6420
6421	CCTTGCAGCA	CACCCCCTT	TCGCCAGCTG	GCGTAATAGC	GAAGAGGCCC	GCACCGATCG	6480
6481	CCCTTCCCAA	CAGTTGCGCA	GCCTGAATGG	CGAATGGCGC	TTTGCCTGGT	TTCCGGCACC	6540
6541	AGAAGCGGTG	CCGGAAAGCT	GGCTGGAGTG	CGATCTTCCT	GAGGCCGATA	CGGTCGTCGT	6600
6601	CCCCTCAAAC	TGGCAGATGC	ACGGTTACGA	TGCGCCCATC	TACACCAACG	TAACCTATCC	6660
6661	CATTACGGTC	AATCCGCCGT	TTGTTCCCAC	GGAGAATCCG	ACGGGTTGTT	ACTCGCTCAC	6720
6721	ATTTAATGTT	GATGAAAGCT	GGCTACAGGA	AGGCCAGACG	CGAATTATTT	TTGATGGCGT	6780
6781	TCCTATTGGT	TAAAAAATGA	GCTGATTTAA	CAAAAATTTA	ACGCGAATTT	ТААСААААТА	6840
6841	TTAACGTTTA	СААТТТАААТ	ATTTGCTTAT	ACAATCTTCC	TGTTTTTGGG	GCTTTTCTGA	6900
6901	TTATCAACCG	GGGTACATAT	GATTGACATG	CTAGTTTTAC	GATTACCGTT	CATCGATTCT	6960
6961	CTTGTTTGCT	CCAGACTCTC	AGGCAATGAC	CTGATAGCCT	TTGTAGATCT	СТСАААААТА	7020
7021	GCTACCCTCT	CCGGCATTAA	TTTATCAGCT	AGAACGGTTG	ААТАТСАТАТ	TGATGGTGAT	7080
7081	TTGACTGTCT	CCGGCCTTTC	TCACCCTTTT	GAATCTTTAC	CTACACATTA	CTCAGGCATT	7140
7141	GCATTTAAAA	TATATGAGGG	ТТСТАААААТ	TTTTATCCTT	GCGTTGAAAT	AAAGGCTTCT	7200
7201 (CCCGCAAAAG	TATTACAGGG	TCATAATGTT	TTTGGTACAA	CCGATTTAGC	TTTATGCTCT	7260
7261 (GAGGCTTTAT I 10	TGCTTAATTT I 20	TGCTAATTCT I 30	TTGCCTTGCC	TGTATGATTT I 50	ATTGGACGTT I 60	7320

FIG. 6D

	. 1	U I 21) 1 3() 1 4	0 1 50) 1 60	1
			G AATTGATGC	ACCTTTTCA	CTCGCGCCC	AAATGAAAAT	r 60
			•		A ATGGTCAAAC		, v
					A CTTCCAGACA	• *	
181	GTTGCATAT	r TAAAACATG	TGAGCTACAC	CACCAGATTO	C AGCAATTAAG	CTCTAAGCCA	240
241	TCTGCAAAA	A TGACCTCTT	TCAAAAGGAG	CAATTAAAG(G TACTCTCTAA	TCCTGACCT	300
301	TTGGAGTTT	G CTTCCGGTCT	GGTTCGCTTT	GAAGCTCGA	A TTAAAACGCG	ATATTTGAAG	360
361	TCTTTCGGGG	TTCCTCTTA	TCTTTTTGAT	GCAATCCGC1	T TTGCTTCTGA	CTATAATAGT	420
421	CAGGGTAAAC	ACCTGATTT	TGATTTATGG	TCATTCTCGT	TTTCTGAACT	GTTTAAAGCA	480
481	TTTGAGGGG	ATTCAATGAA	TATTTATGAC	GATTCCGCAG	TATTGGACGC	TATCCAGTCT	540
541	AAACATTTTA	CTATTACCCC	CTCTGGCAAA	ACTTCTTTTC	CAAAAGCCTC	TCGCTATTTT	600
601	GGTTTTTATC	GTCGTCTGGT	AAACGAGGGT	TATGATAGTG	TTGCTCTTAC	TATGCCTCGT	660
661	AATTCCTTTT	GGCGTTATGT	ATCTGCATTA	GTTGAATGTG	GTATTCCTAA	ATCTCAACTG	720
721	ATGAATCTTT	CTACCTGTAA	TAATGTTGTT	CCGTTAGTTC	GTTTTATTAA	CGTAGATTTT	780
781	TCTTCCCAAC	GTCCTGACTG	GTATAATGAG	CCAGTTCTTA	AAATCGCATA	AGGTAATTCA	840
841	CAATGATTAA	AGTTGAAATT	AAACCATCTC	AAGCCCAATT	TACTACTCGT	TCTGGTGTTT	900
901	CTCGTCAGGG	CAAGCCTTAT	TCACTGAATG	AGCAGCTTTG	TTACGTTGAT	TTGGGTAATG	960
961	AATATCCGGT	TCTTGTCAAG	ATTACTCTTG	ATGAAGGTCA	GCCAGCCTAT	GCGCCTGGTC	1020
1021	TGTACACCGT	TCATCTGTCC	TCTTTCAAAG	TTGGTCAGTT	CGGTTCCCTT	ATGATTGACC	1080
1081	GTCTGCGCCT	CGTTCCGGCT	AAGTAACATG	GAGCAGGTCG	CGGATTTCGA	CACAATTTAT	1140
1141	CAGGCGATGA	TACAAATCTC	CGTTGTACTT	TGTTTCGCGC	TTGGTATAAT	CGCTGGGGGT	1200
1201	CAAAGATGAG	TGTTTTAGTG	TATTCTTTCG	CCTCTTTCGT	TTTAGGTTGG	TGCCTTCGTA	1260
1261	GTGGCATTAC	GTATTTTACC	CGTTTAATGG	AAACTTCCTC	ATGAAAAAGT	CTTTAGTCCT	1320
1321	CAAAGCCTCT	GTAGCCGTTG	CTACCCTCGT	TCCGATGCTG	TCTTTCGCTG	CTGAGGGTGA	1380
1381	CGATCCCGCA	AAAGCGGCCT	TTAACTCCCT	GCAAGCCTCA	GCGACCGAAT	ATATCGGTTA	1440
1441	TGCGTGGGCG	ATGGTTGTTG	TCATTGTCGG	CGCAACTATC	GGTATCAAGC	TGTTTAAGAA	1500
1501	ATTCACCTCG	AAAGCAAGCT	GATAAACCGA	ТАСААТТААА	GGCTCCTTTT	GGAGCCTTTT	1560
1561	TTTTTGGAGA	TTTTCAACGT	GAAAAAATTA	TTATTCGCAA	TTCCTTTAGT	TGTTCCTTTC	1620
1621	TATTCTCACT	CCGCTGAAAC	TGTTGAAAGT	TGTTTAGCAA	AACCCCATAC	AGAAAATTCA	1680
1681	TTTACTAACG	TCTGGAAAGA	CGACAAAACT	TTAGATCGTT	ACGCTAACTA	TGAGGGTTGT	1740

FIG. 7A

1741	CTGTGGAATG	CTACAGGCGT	TGTAGTTTGT	ACTGGTGACG	AAACTCAGTG	TTACGGTACA	1800
1801	TGGGTTCCTA	TTGGGCTTGC	TATCCCTGAA	AATGAGGGTG	GTGGCTCTGA	GGGTGGCGGT	1860
1861	TCTGAGGGTG	GCGGTTCTGA	GGGTGGCGGT	ACTAAACCTC	CTGAGTACGG	TGATACACCT	1920
1921	ATTCCGGGCT	ATACTTATAT	CAACCCTCTC	GACGGCACTT	ATCCGCCTGG	TACTGAGCAA	1980
1981	AACCCCGCTA	ATCCTAATCC	TTCTCTTGAG	GAGTCTCAGC	CTCTTAATAC	TTTCATGTTT	2040
2041	CAGAATAATA	GGTTCCGAAA	TAGGCAGGGG	GCATTAACTG	TTTATACGGG	CACTGTTACT	2100
2101	CAAGGCACTG	ACCCCGTTAA	AACTTATTAC	CAGTACACTC	CTGTATCATC	AAAAGCCATG	2160
2161	TATGACGCTT	ACTGGAACGG	TAAATTCAGA	GACTGCGCTT	TCCATTCTGG	CTTTAATGAA	2220
2221	GATCCATTCG	TTTGTGAATA	TCAAGGCCAA	TCGTCTGACC	TGCCTCAACC	TCCTGTCAAT	2280
2281	GCTGGCGGCG	GCTCTGGTGG	TGGTTCTGGT	GGCGGCTCTG	AGGGTGGTGG	CTCTGAGGGT	2340
2341	GGCGGTTCTG	AGGGTGGCGG	CTCTGAGGGA	GGCGGTTCCG	GTGGTGGCTC	TGGTTCCGGT	2400
2401	GATTTTGATT	ATGAAAAGAT	GGCAAACGCT	AATAAGGGGG	CTATGACCGA	AAATGCCGAT	2460
2461	GAAAACGCGC	TACAGTCTGA	CGCTAAAGGC	AAACTTGATT	CTGTCGCTAC	TGATTACGGT	2520
2521	GCTGCTATCG	ATGGTTTCAT	TGGTGACGTT	TCCGGCCTTG	CTAATGGTAA	TGGTGCTACT	2580
2581	GGTGATTTTG	CTGGCTCTAA	TTCCCAAATG	GCTCAAGTCG	GTGACGGTGA	TAATTCACCT	2640
2641	TTAATGAATA	ATTTCCGTCA	ATATTTACCT	TCCCTCCCTC	AATCGGTTGA	ATGTCGCCCT	2700
2701	TTTGTCTTTA	GCGCTGGTAA	ACCATATGAA	TTTTCTATTG	ATTGTGACAA	AATAAACTTA	2760
2761	TTCCGTGGTG	TCTTTGCGTT	TCTTTTATAT	GTTGCCACCT	TTATGTATGT	ATTTTCTACG	2820
2821	TTTGCTAACA	TACTGCGTAA	TAAGGAGTCT	TAATCATGCC	AGTTCTTTTG	GGTATTCCGT	2880
2881	TATTATTGCG	TTTCCTCGGT	TTCCTTCTGG	TAACTTTGTT	CGGCTATCTG	CTTACTTTTC	2940
2941	TTAAAAAGGG	CTTCGGTAAG	ATAGCTATTG	CTATTTCATT	GTTTCTTGCT	CTTATTATTG	3000
3001	GGCTTAACTC	AATTCTTGTG	GGTTATCTCT	CTGATATTAG	CGCTCAATTA	CCCTCTGACT	3060
3061	TTGTTCAGGG	TGTTCAGTTA	ATTCTCCCGT	CTAATGCGCT	TCCCTGTTTT	TATGTTATTC	3120
3121	TCTCTGTAAA	GGCTGCTATT	TTCATTTTTG	ACGTTAAACA	AAAAATCGTT	TCTTATTTGG	3180
3181	ATTGGGATAA	ATAATATGGC	TGTTTATTTT	GTAACTGGCA	AATTAGGCTC	TGGAAAGACG	3240
3241	CTCGTTAGCG	TTGGTAAGAT	TCAGGATAAA	ATTGTAGCTG	GGTGCAAAAT	AGCAACTAAT	3300
3301	CTTGATTTAA	GGCTTCAAAA	CCTCCCGCAA	GTCGGGAGGT	TCGCTAAAAC	GCCTCGCGTT	3360
3361	CTTAGAATAC	CGGATAAGCC	TTCTATATCT	GATTTGCTTG	CTATTGGGCG	CGGTAATGAT	3420
3421	TCCTACGATG	AAAATAAAA	CGGCTTGCTT	GTTCTCGATG	AGTGCGGTAC	TTGGTTTAAT	3480
3481	ACCCGTTCTT	GGAATGATAA	GGAAAGACAG	CCGATTATTG	ATTGGTTTCT	ACATGCTCGT	3540
3541	AAATTAGGAT	GGGATATTAT	TTTTCTTGTT	CAGGACTTAT	CTATTGTTGA	TAAACAGGCG	3600
3601	CGTTCTGCAT	TAGCTGAACA	TGTTGTTTAT	TGTCGTCGTC	TGGACAGAAT	TACTTTACCT	3660

FIG. 7B

3661 TTTGTCGGTA	СТТТАТАТТС	TCTTATTACT	GGCTCGAAAA	тбсстстбсс	TAAATTACAT	3720
3421 GTTGGCGTTG	TTAAATATGG	CGATTCTCAA	TTAAGCCCTA	CTGTTGAGCG	TTGGCTTTAT	3780
3781 ACTGGTAAGA	ATTTGTATAA	CGCATATGAT	ACTAAACAGG	CTTTTTCTAG	TAATTATGAT	3840
3841 TCCGGTGTTT	ATTCTTATTT	AACGCCTTAT	TTATCACACG	GTCGGTATTT	CAAACCATTA	3900
3901 AATTTAGGTC	AGAAGATGAA	GCTTACTAAA	ATATATTTGA	AAAAGTTTTC	ACGCGTTCTT	3960
3961 TGTCTTGCGA	TTGGATTTGC	ATCAGCATTT	ACATATAGTT	ATATAACCCA	ACCTAAGCCG	4020
4021 GAGGTTAAAA	AGGTAGTCTC	TCAGACCTAT	GATTTTGATA	AATTCACTAT	TGACTCTTCT	4080
4081 CAGCGTCTTA	ATCTAAGCTA	TCGCTATGTT	TTCAAGGATT	CTAAGGGAAA	ATTAATTAAT.	4140
4141 AGCGACGATT	TACAGAAGCA	AGGTTATTCA	CTCACATATA	TTGATTTATG	TACTGTTTCC	4200
4201 ATTAAAAAAG	GTAATTCAAA	TGAAATTGTT	AAATGTAATT	AATTTTGTTT	TCTTGATGTT	4260
4261 TGTTTCATCA	TCTTCTTTTG	CTCAGGTAAT	TGAAATGAAT	AATTCGCCTC	TGCGCGATTT	4320
4321 TGTAACTTGG	TATTCAAAGC	AATCAGGCGA	ATCCGTTATT	GTTTCTCCCG	ATGTAAAAGG	4380
4381 TACTGTTACT	GTATATTCAT	CTGACGTTAA	ACCTGAAAAT	CTACGCAATT	TCTTTATTTC	4440
4441 TGTTTTACGT	GCTAATAATT	TTGATATGGT	TGGTTCAATT	CCTTCCATAA	TTCAGAAGTA	4500
4501 TAATCCAAAC	AATCAGGATT	ATATTGATGA	ATTGCCATCA	TCTGATAATC	AGGAATATGA	4560
4561 TGATAATTCC	GCTCCTTCTG	GTGGTTTCTT	TGTTCCGCAA	AATGATAATG	TTACTCAAAC	4620
4621 TTTTAAAATT	AATAACGTTC	GGGCAAAGGA	TTTAATACGA	GTTGTCGAAT	TGTTTGTAAA	4680
4681 GTCTAATACT	TCTAAATCCT	CAAATGTATT	ATCTATTGAC	GGCTCTAATC	TATTAGTTGT	4740
4741 TAGTGCACCT	AAAGATATTT	TAGATAACCT	TCCTCAATTC	CTTTCTACTG	TTGATTTGCC	4800
4801 AACTGACCAG	ATATTGATTG	AGGGTTTGAT	ATTTGAGGTT	CAGCAAGGTG	ATGCTTTAGA	4860
4861 TTTTTCATTT	GCTGCTGGCT	CTCAGCGTGG	CACTGTTGCA	GGCGGTGTTA	ATACTGACCG	4920
4921 CCTCACCTCT	GTTTTATCTT	CTGCTGGTGG	TTCGTTCGGT	ATTTTTAATG	GCGATGTTTT	4980
4981 AGGGCTATCA	GTTCGCGCAT	TAAAGACTAA	TAGCCATTCA	AAAATATTGT	CTGTGCCACG	5040
5041 TATTCTTACG	CTTTCAGGTC	AGAAGGGTTC	TATCTCTGTT	GGCCAGAATG	TCCCTTTTAT	5100
5101 TACTGGTCGT	GTGACTGGTG	AATCTGCCAA	TGTAAATAAT	CCATTTCAGA	CGATTGAGCG	5160
5161 TCAAAATGTA	GGTATTTCCA	TGAGCGTTTT	TCCTGTTGCA	ATGGCTGGCG	GTAATATTGT	5220
5221 TCTGGATATT	ACCAGCAAGG	CCGATAGTTT	GAGTTCTTCT	ACTCAGGCAA	GTGATGTTAT	5280
5281 TACTAATCAA	AGAAGTATTG	CTACAACGGT	TAATTTGCGT	GATGGACAGA	CTCTTTTACT	5340
5341 CGGTGGCCTC	ACTGATTATA	AAAACACTTC	TCAAGATTCT	GGCGTACCGT	TCCTGTCTAA	5400
5401 AATCCCTTTA	ATCGGCCTCC	TGTTTAGCTC	CCGCTCTGAT	TCCAACGAGG	AAAGCACGTT	5460
5461 ATACGTGCTC	GTCAAAGCAA	CCATAGTACG	CGCCCTGTAG	CGGCGCATTA	AGCGCGGCGG	5520
5521 GTGTGGTGGT	TACGCGCAGC	GTGACCGCTA	CACTTGCCAG	CGCCCTAGCG	CCCGCTCCTT	5580

FIG. 7C

558	1 TCGCTTTCT	т сссттсстт	T CTCGCCACG	T TCGCCGGCT	T TCCCCGTCA	GCTCTAAAT	C 5640
		C TTTAGGGTT					
		A TGGTTCACG					
576	1 CGTTGGAGT	C CACGTTCTT	r aatagtgga	C TCTTGTTCC	AACTGGAACA	ACACTCAAC	5820
		G CTATTCTTT					
588.	l ACAGGATTT	T CGCCTGCTGC	G GGCAAACCAG	G CGTGGACCGC	TTGCTGCAAC	TCTCTCAGGG	5940
		G AAGGGCAATC					
600	GGCGCCCAA	T ACGCAAACCG	CCTCTCCCC	CGCGTTGGCC	GATTCATTAA	TGCAGCTGGC	6060
6061	L ACGACAGGT	T TCCCGACTG	AAAGCGGGCA	GTGAGCGCAA	CGCAATTAAT	GTGAGTTAG	6120
6121	TCACTCATTA	A GGCACCCCAG	GCTTTACACT	TTATGCTTCC	GGCTCGTATG	TTGTGTGGAA	6180
6181	TTGTGAGCG	G АТААСААТТТ	CACACGCGTC	ACTTGGCACT	GGCCGTCGTT	TTACAACGTC	6240
6241	GTGACTGGG	A AAACCCTGGC	GTTACCCAAG	CTTTGTACAT	GGAGAAAATA	AAGTGAAACA	6300
6301	AAGCACTATT	GCACTGGCAC	TCTTACCGTT	ACCGTTACTG	TTTACCCCTG	TGACAAAAGC	6360
6361	CGCCCAGGTC	CAGCTGCTCG	AGTCAGGCCT	ATTGTGCCCA	GGGGATTGTA	CTAGTGGATC	6420
6421	CTAGGCTGAA	GGCGATGACC	CTGCTAAGGC	TGCATTCAAT	AGTTTACAGG	CAAGTGCTAC	6480
6481	TGAGTACATT	GGCTACGCTT	GGGCTATGGT	AGTAGTTATA	GTTGGTGCTA	CCATAGGGAT	6540
6541	TAAATTATTC	AAAAAGTTTA	CGAGCAAGGC	TTCTTAAGCA	ATAGCGAAGA	GGCCCGCACC	6600
6601	GATCGCCCTT	CCCAACAGTT	GCGCAGCCTG	AATGGCGAAT	GGCGCTTTGC	CTGGTTTCCG	6660
6661	GCACCAGAAG	CGGTGCCGGA	AAGCTGGCTG	GAGTGCGATC	TTCCTGAGGC	CGATACGGTC	6720
6721	GTCGTCCCCT	CAAACTGGCA	GATGCACGGT	TACGATGCGC	CCATCTACAC	CAACGTAACC	6780
6781	TATCCCATTA	CGGTCAATCC	GCCGTTTGTT	CCCACGGAGA	ATCCGACGGG	TTGTTACTCG	6840
6841	CTCACATTTA	ATGTTGATGA	AAGCTGGCTA	CAGGAAGGCC	AGACGCGAAT	TATTTTTGAT	6900
6901	GGCGTTCCTA	TTGĞTTAAAA	AATGAGCTGA	ТТТААСАААА	ATTTAACGCG	AATTTTAACA	6960
6961	AAATATTAAC	GTTTACAATT	TAAATATTTG	СТТАТАСААТ	CTTCCTGTTT	TTGGGGCTTT	7020
7021	TCTGATTATC	AACCGGGGTA	CATATGATTG	ACATGCTAGT	TTTACGATTA	CCGTTCATCG	7080
7081	ATTCTCTTGT	TTGCTCCAGA	CTCTCAGGCA	ATGACCTGAT	AGCCTTTGTA	GATCTCTCAA	7140
7141	AAATAGCTAC	CCTCTCCGGC	ATTAATTTAT	CAGCTAGAAC	GGTTGAATAT	CATATTGATG	7200
7201	GTGATTTGAC	TGTCTCCGGC	CTTTCTCACC	CTTTTGAATC	TTTACCTACA	CATTACTCAG	7260
7261	GCATTGCATT	ТААААТАТАТ	GAGGGTTCTA	AAAATTTTTA	TCCTTGCGTT	GAAATAAAGG	7320
7321	CTTCTCCCGC	AAAAGTATTA	CAGGGTCATA	ATGTTTTTGG	TACAACCGAT	TTAGCTTTAT	7380
7381	GCTCTGAGGC	TTTATTGCTT	AATTTTGCTA .	ATTCTTTGCC '	TTGCCTGTAT (GATTTATTGG	7440
7441	ACGTT	1 20	. 30				7445
	1 10	1 20		IG 70	ı 50	1 60	

FIG. 7D

	. 1	10 1 2	20 1 3	30 1 4	10 I 5	0 1 6	^
				C ACCTTTTCA	G CTCGCGCCC	C AAATGAAAA	r 60
					'A ATGGTCAAA		
					A CTTCCAGAC		
					C AGCAATTAA		
					G TACTCTCTA	A .	
					A TTAAAACGC	•	٠.
					T TTGCTTCTG		
42	l CAGGGTAAA	G ACCTGATTT	T TGATTTATG	G TCATTCTCG	T TTTCTGAACT	GTTTAAAGCA	480
481	l TTTGAGGGG	G ATTCAATGA	A TATTTATGA	C GATTCCGCA	G TATTGGACGO	TATCCAGTCT	540
541	L AAACATTTT	A CTATTACCC	C CTCTGGCAA	A ACTTCTTTT	G CAAAAGCCTC	CTCGCTATTTT	600
301	GGTTTTTAT	C GTCGTCTGG	r aaacgaggg	TATGATAGT	G TTGCTCTTAC	TATGCCTCGT	660
661	AATTCCTTT	r ggcgttatg	T ATCTGCATT	A GTTGAATGT	G GTATTCCTAA	ATCTCAACTG	720
721	ATGAATCTT	CTACCTGTA	A TAATGTTGT	CCGTTAGTT	C GTTTTATTAA	CGTAGATTTT	780
781	TCTTCCCAAC	GTCCTGACT	GTATAATGA	CCAGTTCTT	A AAATCGCATA	AGGTAATTCA	840
841	CAATGATTAA	AGTTGAAATT	AAACCATCT	AAGCCCAATT	TACTACTCGT	TCTGGTGTTT	900
901	CTCGTCAGGG	CAAGCCTTAT	TCACTGAATO	AGCAGCTTTC	TTACGTTGAT	TTGGGTAATG	960
961	AATATCCGGT	TCTTGTCAAG	ATTACTCTTC	ATGAAGGTCA	GCCAGCCTAT	GCGCCTGGTC	1020
1021	TGTACACCGT	TCATCTGTCC	TCTTTCAAAG	TTGGTCAGTT	CGGTTCCCTT	ATGATTGACC	1080
1081	GTCTGCGCCT	CGTTCCGGCT	AAGTAACATG	GAGCAGGTCG	CGGATTTCGA	CACAATTTAT	1140
1141	CAGGCGATGA	TACAAATCTC	CGTTGTACTT	TGTTTCGCGC	TTGGTATAAT	CGCTGGGGGT	1200
1201	CAAAGATGAG	TGTTTTAGTG	TATTCTTTCG	CCTCTTTCGT	TTTAGGTTGG	TGCCTTCGTA	1260
1261	GTGGCATTAC	GTATTTTACC	CGTTTAATGG	AAACTTCCTC	ATGAAAAAGT	CTTTAGTCCT	1320
1321	CAAAGCCTCT	GTAGCCGTTG	CTACCCTCGT	TCCGATGCTG	TCTTTCGCTG	CTGAGGGTGA	1380
1381	CGATCCCGCA	AAAGCGGCCT	TTAACTCCCT	GCAAGCCTCA	GCGACCGAAT	ATATCGGTTA	1440
1441	TGCGTGGGCG	ATGGTTGTTG	TCATTGTCGG	CGCAACTATC	GGTATCAAGC	TGTTTAAGAA	1500
1501	ATTCACCTCG	AAAGCAAGCT	GATAAACCGA	ТАСААТТААА	GGCTCCTTTT	GGAGCCTTTT	1560
1561	TTTTTGGAGA	TTTTCAACGT	GAAAAAATTA	TTATTCGCAA	TTCCTTTAGT	TGTTCCTTTC	1620
1621	TATTCTCACT	CCGCTGAAAC	TGTTGAAAGT	TGTTTAGCAA	AACCCCATAC	AGAAAATTCA	1680
1681	TTTACTAACG	TCTGGAAAGA	CGACAAAACT	TTAGATCGTT	ACGCTAACTA	TGAGGGTTGT	1740

FIG. 8A

1/	41 CTGT	GGAATG	CTACAGGC	GT TGTAGTTT	GT ACTGGTGA	CG AAACTCAG	TG TTACGGTA	CA 1800
18	01 TGGG	ттсста	TTGGGCTT	GC TATCCCTG	AA AATGAGGG	rg gtggctct	GA GGGTGGCG	GT 1860
18	61 TCTG	AGGGTG	GCGGTTCT	GA GGGTGGCG	GT ACTAAACCI	CTGAGTAC	GG TGATACAC	CT 1920
19	21 ATTC	CGGGCT	ATACTTATA	AT CAACCCTC	TC GACGGCACT	TT ATCCGCCT	GG TACTGAGC	AA 1980
198	B1 AACCO	CCGCTA	ATCCTAATC	C TTCTCTTG	AG GAGTCTCAG	C CTCTTAAT	AC TTTCATGTT	TT 2040
204	11 CAGA	ATAATA	GGTTCCGAA	A TAGGCAGG	GG GCATTAACT	G TTTATACGO	GG CACTGTTAC	T 2100
210)1 CAAGO	SCACTG	ACCCCGTTA	A AACTTATTA	CAGTACACT	C CTGTATCAT	С ААААСССАТ	'G 2160
216	51 TATGA	ACGCTT	ACTGGAACG	G ТАААТТСАС	A GACTGCGCT	т тссаттсто	G CTTTAATGA	A 2220
222	21 GATCC	ATTCG	TTTGTGAAT	A TCAAGGCCA	A TCGTCTGAC	C TGCCTCAAC	C TCCTGTCAA	T 2280
					T GGCGGCTCT			
234	1 GGCGG	TTCTG	AGGGTGGCG	G CTCTGAGGG	A GGCGGTTCC	G GTGGTGGCT	C TGGTTCCGG	T 2400
240	1 GATTT	TGATT	ATGAAAAGA'	r ggcaaacgc	T AATAAGGGG	G CTATGACCG	A AAATGCCGA	T 2460
246	1 GAAAA	CGCGC	TACAGTCTG	A CGCTAAAGG	C AAACTTGAT	r ctgtcgcta	C TGATTACGG	T 2520
252	1 GCTGC	TATCG	ATGGTTTCAT	TGGTGACGT	r TCCGGCCTT	G CTAATGGTA	A TGGTGCTAC	г 2580
258	1 GGTGA	TTTTG	CTGGCTCTA	TTCCCAAAT	G GCTCAAGTCC	G GTGACGGTG	A TAATTCACC	г 2640
264	l TTAATO	GAATA A	ATTTCCGTC	ATATTTACCT	г тесетесете	C AATCGGTTG	A ATGTCGCCC	r 2700
270	l TTTGTC	CTTTA (GCGCTGGTAA	ACCATATGA	A TTTTCTATTG	ATTGTGACA	A AATAAACTTA	2760
2761	TTCCGT	GGTG 7	TCTTTGCGTT	TCTTTTATAT	GTTGCCACCT	TTATGTATG	ATTTTCTACO	2820
					TAATCATGCC			
2881	TATTAT	TGCG 1	TTTCCTCGGT	TTCCTTCTGG	TAACTTTGTT	CGGCTATCT	CTTACTTTTC	2940
2941	ТТАААА	AGGG C	CTTCGGTAAG	ATAGCTATTG	CTATTTCATT	GTTTCTTGCT	CTTATTATTG	3000
3001	GGCTTA	ACTC A	ATTCTTGTG	GGTTATCTCT	CTGATATTAG	CGCTCAATTA	CCCTCTGACT	3060
					CTAATGCGCT			
3121	TCTCTG	TAAA G	GCTGCTATT	TTCATTTTTG	ACGTTAAACA	AAAAATCGTT	TCTTATTTGG	3180
3181	ATTGGG	ATAA A	TAATATGGC	TGTTTATTTT	GTAACTGGCA	AATTAGGCTC	TGGAAAGACG	3240
3241	CTCGTT	AGCG T	TGGTAAGAT	TCAGGATAAA	ATTGTAGCTG	GGTGCAAAAT	AGCAACTAAT	3300
3301	CTTGAT	TTAA G	GCTTCAAAA	CCTCCCGCAA	GTCGGGAGGT	TCGCTAAAAC	GCCTCGCGTT	3360
3361	CTTAGA	ATAC C	GGATAAGCC	TTCTATATCT	GATTTGCTTG	CTATTGGGCG	CGGTAATGAT	3420
3421	TCCTACO	GATG A	АААТАААА	CGGCTTGCTT	GTTCTCGATG	AGTGCGGTAC	TTGGTTTAAT	3480
3481	ACCCGTT	CTT GO	GAATGATAA	GGAAAGACAG	CCGATTATTG	ATTGGTTTCT	ACATGCTCGT	3540
3541	AAATTAG	GAT GO	GGATATTAT	TTTTCTTGTT	CAGGACTTAT	CTATTGTTGA	TAAACAGGCG	3600
3601	CGTTCTG	CAT TA	AGCTGAACA	TGTTGTTTAT	TGTCGTCGTC	TGGACAGAAT	TACTTTACCT	3660

FIG. 8B

366	1 TTTGTCGGT	А СТТТАТАТТС	TCTTATTACT	GGCTCGAAA	TGCCTCTGCC	TAAATTACA	3720
372	1 GTTGGCGTT	G TTAAATATGO	CGATTCTCAA	TTAAGCCCTA	CTGTTGAGCC	TTGGCTTTAT	3780
378	1 ACTGGTAAG	A ATTTGTATAA	CGCATATGAT	' ACTAAACAGG	CTTTTTCTAC	TAATTATGAT	3840
384	1 TCCGGTGTT	Г АТТСТТАТТТ	' AACGCCTTAT	' TTATCACACG	GTCGGTATTT	САААССАТТ	3900
		C AGAAGATGAA					
3962	1 TGTCTTGCG	A TTGGATTTGC	ATCAGCATTT	ACATATAGTT	ATATAACCCA	ACCTAAGCCG	4020
4021	l gaggttaaa <i>i</i>	A AGGTAGTCTC	TCAGACCTAT	GATTTTGATA	AATTCACTAT	TGACTCTTCT	4080
4081	L CAGCGTCTT	ATCTAAGCTA	TCGCTATGTT	TTCAAGGATT	CTAAGGGAAA	ATTAATTAA	4140
4141	AGCGACGATT	TACAGAAGCA	AGGTTATTCA	CTCACATATA	TTGATTTATG	TACTGTTTCC	4200
4201	АТТАААААА	GTAATTCAAA	TGAAATTGTT	AAATGTAATT	AATTTTGTTT	TCTTGATGTT	4260
4261	TGTTTCATCA	TCTTCTTTTG	CTCAGGTAAT	TGAAATGAAT	AATTCGCCTC	TGCGCGATTT	4320
4321	TGTAACTTGG	TATTCAAAGC	AATCAGGCGA	ATCCGTTATT	GTTTCTCCCG	ATGTAAAAGG	4380
4381	TACTGTTACT	GTATATTCAT	CTGACGTTAA	ACCTGAAAAT	CTACGCAATT	TCTTTATTTC	4440
4441	TGTTTTACGT	GCTAATAATT	TTGATATGGT	TGGTTCAATT	CCTTCCATAA	TTCAGAAGTA	4500
4501	TAATCCAAAC	AATCAGGATT	ATATTGATGA	ATTGCCATCA	TCTGATAATC	AGGAATATGA	4560
4561	TGATAATTCC	GCTCCTTCTG	GTGGTTTCTT	TGTTCCGCAA	AATGATAATG	TTACTCAAAC	4620
4621	TTTTAAAATT	AATAACGTTC	GGGCAAAGGA	TTTAATACGA	GTTGTCGAAT	TGTTTGTAAA	4680
4681	GTCTAATACT	TCTAAATCCT	CAAATGTATT	ATCTATTGAC	GGCTCTAATC	TATTAGTTGT	4740
4741	TAGTGCACCT	AAAGATATTT	TAGATAACCT	TCCTCAATTC	CTTTCTACTG	TTGATTTGCC	4800
4801	AACTGACCAG	ATATTGATTG	AGGGTTTGAT	ATTTGAGGTT	CAGCAAGGTG	ATGCTTTAGA	4860
4861	TTTTTCATTT	GCTGCTGGCT	CTCAGCGTGG	CACTGTTGCA	GGCGGTGTTA	ATACTGACCG	4920
4921	CCTCACCTCT	GTTTTATCTT	CTGCTGGTGG	TTCGTTCGGT	ATTTTTAATG	GCGATGTTTT	4980
4981	AGGGCTATCA	GTTCGCGCAT	TAAAGACTAA	TAGCCATTCA	AAAATATTGT	CTGTGCCACG	5040
5041	TATTCTTACG	CTTTCAGGTC	AGAAGGGTTC	TATCTCTGTT	GGCCAGAATG	TCCCTTTTAT	5100
5101	TACTGGTCGT	GTGACTGGTG	AATCTGCCAA	TGTAAATAAT	CCATTTCAGA	CGATTGAGCG	5160
5161	TCAAAATGTA	GGTATTTCCA	TGAGCGTTTT	TCCTGTTGCA	ATGGCTGGCG	GTAATATTGT	5220
5221	TCTGGATATT	ACCAGCAAGG	CCGATAGTTT	GAGTTCTTCT	ACTCAGGCAA	GTGATGTTAT	5280
5281	TACTAATCAA	AGAAGTATTG	CTACAACGGT	TAATTTGCGT	GATGGACAGA	СТСТТТТАСТ	5340
5341	CGGTGGCCTC	ACTGATTATA	AAAACACTTC	TCAAGATTCT	GGCGTACCGT	TCCTGTCTAA	5400
5401	AATCCCTTTA	ATCGGCCTCC	TGTTTAGCTC	CCGCTCTGAT	TCCAACGAGG	AAAGCACGTT	5460
5461	ATACGTGCTC	GTCAAAGCAA	CCATAGTACG	CGCCCTGTAG	CGGCGCATTA	AGCGCGGCGG	5520
5521	GTGTGGTGGT	TACGCGCAGC	GTGACCGCTA	CACTTGCCAG	CGCCCTAGCG	СССССТССТТ	5580

558	1 TCGCTTTCT	т сссттсстт	T CTCGCCACG	T TCGCCGGCT	TCCCCGTCA	A GCTCTAAAT	C 564
564	1 GGGGGCTCC	C TTTAGGGTT	C CGATTTAGT	G CTTTACGGC	A CCTCGACCC	С ААААААСТТ	G 570
570	1 ATTTGGGTG	A TGGTTCACG	T AGTGGGCCA	T CGCCCTGATA	A GACGGTTTT	CGCCCTTTG	A 576
576	1 CGTTGGAGT	C CACGTTCTT	T AATAGTGGA	C TCTTGTTCC1	AACTGGAAC	ACACTCAAC	5820
582	1 CTATCTCGG	G CTATTCTTT	Г GATTTATAA	G GGATTTTGCC	GATTTCGGA	CCACCATCA	4 5880
588	1 ACAGGATTT	r cgcctgctg	G GGCAAACCA	G CGTGGACCGC	TTGCTGCAAC	TCTCTCAGG	5 594(
594	1 CCAGGCGGT	G AAGGGCAAT	CAGCTGTTGCC	CGTCTCGCTG	GTGAAAAGAA	AAACCACCC	 6000
600	1 GGCGCCCAAT	r acgcaaacco	CCTCTCCCC	GCGCTTGGCC	GATTCATTAA	TGCAGCTGGG	6060
606	l ACGACAGGT	TCCCGACTG	S AAAGCGGGCA	GTGAGCGCAA	CGCAATTAAT	' GTGAGTTAGO	6120
612	1 TCACTCATTA	GGCACCCCAG	GCTTTACACT	TTATGCTTCC	GGCTCGTATG	TTGTGTGGAA	6180
			CACACGCGTC				
6241	L GTGACTGGGA	AAACCCTGGC	GTTACCCAAG	CTTTGTACAT	GGAGAAAATA	AAGTGAAACA	6300
			TCTTACCGTT				
6361	GGGGTTTATG	ACTTCTGAGG	GATCCGGAGC	TGAAGGCGAT	GACCCTGCTA	AGGCTGCATT	6420
6421	CAATAGTTTA	CAGGCAAGTG	CTACTGAGTA	CATTGGCTAC	GCTTGGGCTA	TGGTAGTAGT	6480
6481	TATAGTTGGT	GCTACCATAG	GGATTAAATT	ATTCAAAAAG	TTTACGAGCA	AGGCTTCTTA	6540
6541	AGCAATAGCG	AAGAGGCCCG	CACCGATCGC	CCTTCCCAAC	AGTTGCGCAG	CCTGAATGGC	6600
6601	GAAT'GGCGCT	TTGCCTGGTT	TCCGGCACCA	GAAGCGGTGC	CGGAAAGCTG	GCTGGAGTGC	66 6 0
			GGTCGTCGTC				
			AACCTATCCC				
			CTCGCTCACA				
			TGATGGCGTT				
			AACAAAATAT				
			CTTTTCTGAT				
			ATCGATTCTC				
081	TGATAGCCTT	TGTAGATCTC	TCAAAAATAG	CTACCCTCTC	CGGCATTAAT	TTATCAGCTA	7140
			GATGGTGATT				
			TCAGGCATTG				
			AAGGCTTCTC				
			TTATGCTCTG				
	TGCCTTGCCT	GTATGATTTA				. -	7409
	ı 10	1 20	I 30	1 40	١ 50	1 60	

FIG. 8D

1	AATGCTACTA	CTATTAGTAG		ACCTTTTCAG	CTCGCGCCCC	60 AAATGAAAAT	60
61	ATAGCTAAAC	AGGTTATTGA	CCATTTGCGA	AATGTATCTA	ATGGTCAAAC	ТАААТСТАСТ	120
121	CGTTCGCAGA	ATTGGGAATC	AACTGTTACA	TGGAATGAAA	CTTCCAGACA	CCGTACTTTA	180
181	GTTGCATATT	TAAAACATGT	TGAGCTACAG	CACCAGATTC	AGCAATTAAG	CTCTAAGCÇA	240
241	TCTGCAAAAA	TGACCTCTTA	TCAAAAGGAG	CAATTAAAGG	ТАСТСТСТАА	TCCTGACCTG	300
301	TTGGAGTTTG	CTTCCGGTCT	GGTTCGCTTT	GAAGCTCGAA	TTAAAACGCG	: ATATTTGAAG	360
361	TCTTTCGGGC	ттсстсттаа	TCTTTTTGAT	GCAATCCGCT	TTGCTTCTGA	CTATAATAGT	420
421	CAGGGTAAAG	ACCTGATTTT	TGATTTATGG	TCATTCTCGT	TTTCTGAACT	GTTTAAAGCA	480
481	TTTGAGGGGG	ATTCAATGAA	TATTTATGAC	GATTCCGCAG	TATTGGACGC	TATCCAGTCT	540
541	AAACATTTTA	CTATTACCCC	CTCTGGCAAA	ACTTCTTTTG	CAAAAGCCTC	TCGCTATTTT	600
601	GGTTTTTATC	GTCGTCTGGT	AAACGAGGGT	TATGATAGTG	TTGCTCTTAC	TATGCCTCGT	660
661	AATTCCTTTT	GGCGTTATGT	ATCTGCATTA	GTTGAATGTG	GTATTCCTAA	ATCTCAACTG	720
721	ATGAATCTTT	CTACCTGTAA	TAATGTTGTT	CCGTTAGTTC	GTTTTATTAA	CGTAGATTTT	780
781	TCTTCCCAAC	GTCCTGACTG	GTATAATGAG	CCAGTTCTTA	AAATCGCATA	AGGTAATTCA	840
841	CAATGATTAA	AGTTGAAATT	AAACCATCTC	AAGCCCAATT	TACTACTCGT	TCTGGTGTTT	900
901	CTCGTCAGGG	CAAGCCTTAT	TCACTGAATG	AGCAGCTTTG	TTACGTTGAT	TTGGGTAATG	960
961	AATATCCGGT	TCTTGTCAAG	ATTACTCTTG	ATGAAGGTCA	GCCAGCCTAT	GCGCCTGGTC	1020
1021	TGTACACCGT	TCATCTGTCC	TCTTTCAAAG	TTGGTCAGTT	CGGTTCCCTT	ATGATTGACC	1080
1081	GTCTGCGCCT	CGTTCCGGCT	AAGTAACATG	GAGCAGGTCG	CGGATTTCGA	CACAATTTAT	1140
1141	CAGGCGATGA	TACAAATCTC	CGTTGTACTT	TGTTTCGCGC	TTGGTATAAT	CGCTGGGGGT	1200
1201	CAAAGATGAG	TGTTTTAGTG	TATTCTTTCG	CCTCTTTCGT	TTTAGGTTGG	TGCCTTCGTA	1260
1261	GTGGCATTAC	GTATTTTACC	CGTTTAATGG	AAACTTCCTC	ATGAAAAAGT	CTTTAGTCCT	1320
1321	CAAAGCCTCT	GTAGCCGTTG	CTACCCTCGT	TCCGATGCTG	TCTTTCGCTG	CTGAGGGTGA	1380
1381	CGATCCCGCA	AAAGCGGCCT	TTAACTCCCT	GCAAGCCTCA	GCGACCGAAT	ATATCGGTTA	1440
1441	TGCGTGGGCG	ATGGTTGTTG	TCATTGTCGG	CGCAACTATC	GGTATCAAGC	TGTTTAAGAA	1500
1501	ATTCACCTCG	AAAGCAAGCT	GATAAACCGA	TACAATTAAA	GGCTCCTTTT	GGAGCCTTTT	1560
1561	TTTTTGGAGA	TTTTCAACGT	GAAAAAATTA	TTATTCGCAA	TTCCTTTAGT	TGTTCCTTTC	1620
1621	TATTCTCACT	CCGCTGAAAC	TGTTGAAAGT	TGTTTAGCAA	AACCCCATAC	AGAAAATTCA	1680
1681	TTTACTAACG	TCTGGAAAGA	CGACAAAACT	TTAGATCGTT	ACGCTAACTA	TGAGGGTTGT	1740
1741	CTGTGGAATG	CTACAGGCGT	TGTAGTTTGT	ACTGGTGACG	AAACTCAGTG	TTACGGTACA	1800

1801	TGGGTTCCTA	TTGGGCTTGC	TATCCCTGAA	AATGAGGGTG	GTGGCTCTGA	GGGTGGCGGT	1860
1861	TCTGAGGGTG	GCGGTTCTGA	GGGTGGCGGT	ACTAAACCTC	CTGAGTACGG	TGATACACCT	1920
1921	ATTCCGGGCT	ATACTTATAT	CAACCCTCTC	GACGGCACTT	ATCCGCCTGG	TACTGAGCAA	1980
1981	AACCCCGCTA	ATCCTAATCC	TTCTCTTGAG	GAGTCTCAGC	CTCTTAATAC	TTTCATGTTT	2040
2041	CAGAATAATA	GGTTCCGAAA	TAGGCAGGGG	GCATTAACTG	TTTATACGGG	CACTGTTACT	2100
2101	CAAGGCACTG	ACCCCGTTAA	AACTTATTAC	CAGTACACTC	CTGTATCATC	AAAAGCCATG	2160
2161	TATGACGCTT	ACTGGAACGG	TAAATTCAGA	GACTGCGCTT	TCCATTCTGG	CTTTAATGAA	2220
2221	GATCCATTCG	TTTGTGAATA	TCAAGGCCAA	TCGTCTGACC	TGCCTCAACC	TCCTGTCAAT	2280
2281	GCTGGCGGCG	GCTCTGGTGG	TGGTTCTGGT	GGCGGCTCTG	AGGGTGGTGG	CTCTGAGGGT	2340
2341	GGCGGTTCTG	AGGGTGGCGG	CTCTGAGGGA	GGCGGTTCCG	GTGGTGGCTC	TGGTTCCGGT	2400
2401	GATTTTGATT	ATGAAAAGAT	GGCAAACGCT	AATAAGGGGG	CTATGACCGA	AAATGCCGAT	2460
2461	GAAAACGCGC	TACAGTCTGA	CGCTAAAGGC	AAACTTGATT	CTGTCGCTAC	TGATTACGGT	2520
2521	GCTGCTATCG	ATGGTTTCAT	TGGTGACGTT	TCCGGCCTTG	CTAATGGTAA	TGGTGCTACT	2580
2581	GGTGATTTTG	CTGGCTCTAA	TTCCCAAATG	GCTCAAGTCG	GTGACGGTGA	TAATTCACCT	2640
2641	TTAATGAATA	ATTTCCGTCA	ATATTTACCT	TCCCTCCCTC	AATCGGTTGA	ATGTCGCCCT	2700
2701	TTTGTCTTTA	GCGCTGGTAA	ACCATATGAA	TTTTCTATTG	ATTGTGACAA	ААТАААСТТА	2760
2761	TTCCGTGGTG	TCTTTGCGTT	TCTTTTATAT	GTTGCCACCT	TTATGTATGT	ATTTTCTACG	2820
2821	TTTGCTAACA	TACTGCGTAA	TAAGGAGTCT	TAATCATGCC	AGTTCTTTTG	GGTATTCCGT	2880
2881	TATTATTGCG	TTTCCTCGGT	TTCCTTCTGG	TAACTTTGTT	CGGCTATCTG	CTTACTTTTC	2940
2941	TTAAAAAGGG	CTTCGGTAAG	ATAGCTATTG	CTATTTCATT	GTTTCTTGCT	CTTATTATTG	3000
3001	GGCTTAACTC	AATTCTTGTG	GGTTATCTCT	CTGATATTAG	CGCTCAATTA	CCCTCTGACT	3060
3061	TTGTTCAGGG	TGTTCAGTTA	ATTCTCCCGT	CTAATGCGCT	TCCCTGTTTT	TATGTTATTC	3120
3121	TCTCTGTAAA	GGCTGCTATT	TTCATTTTTG	ACGTTAAACA	AAAAATCGTT	TCTTATTTGG	3180
3181	ATTGGGATAA	ATAATATGGC	TGTTTATTTT	GTAACTGGCA	AATTAGGCTC	TGGAAAGACG	3240
3241	CTCGTTAGCG	TTGGTAAGAT	TCAGGATAAA	ATTGTAGCTG	GGTGCAAAAT	AGCAACTAAT	3300
3301	CTTGATTTAA	GGCTTCAAAA	CCTCCCGCAA	GTCGGGAGGT	TCGCTAAAAC	GCCTCGCGTT	3360
3361	CTTAGAATAC	CGGATAAGCC	TTCTATATCT	GATTTGCTTG	CTATTGGGCG	CGGTAATGAT	3420
3421	TCCTACGATG	ААААТАААА	CGGCTTGCTT	GTTCTCGATG	AGTGCGGTAC	TTGGTTTAAT	3480
3481	ACCCGTTCTT	GGAATGATAA	GGAAAGACAG	CCGATTATTG	ATTGGTTTCT	ACATGCTCGT	3540
3541	AAATTAGGAT	GGGATATTAT	CTTCCTTGTT	CAGGACTTAT	CTATTGTTGA	TAAACAGGCG	3600
3601	CGTTCTGCAT	TAGCTGAACA	TGTTGTTTAT	TGTCGTCGTC	TGGACAGAAT	TACTTTACCT	3660
3661	TTTGTCGGTA	СТТТАТАТТС	TCTTATTACT	GGCTCGAAAA	TGCCTCTGCC	TAAATTACAT	3720

FIG. 9B

3/21	GTTGGCGTTG	TTAAATATGG	CGATTCTCAA	TTAAGCCCTA	CTGTTGAGCG	TTGGCTTTAT	3780
3781	ACTGGTAAGA	ATTTGTATAA	CGCATATGAT	' ACTAAACAGG	CTTTTTCTAG	TAATTATGAT	3840
3841	TCCGGTGTTT	ATTCTTATTT	AACGCCTTAT	TTATCACACG	GTCGGTATTT	CAAACCATTA	3900
3901	AATTTAGGTC	AGAAGATGAA	GCTTACTAAA	ATATATTTGA	AAAAGTTTTC	ACGCGTTCTT	;3960
3961	TGTCTTGCGA	TTGGATTTGC	ATCAGCATTT	ACATATAGTT	АТАТААСССА	ACCTAAGCC	4020
4021	GAGGTTAAAA	AGGTAGTCTC	TCAGACCTAT	GATTTTGATA	AATTCACTAT	TGACTCTTCŤ	4080
4081	CAGCGTCTTA	ATCTAAGCTA	TCGCTATGTT	TTCAAGGATT	CTAAGGGAAA	ATTAATTAAT	4140
4141	AGCGACGATT	TACAGAAGCA	AGGTTATTCA	CTCACATATA	TTGATTTATG	TACTGTTTCC	4200
4201	ATTAAAAAGG	TAATTCAAAT	GAAATTGTTA	AATGTAATTA	ATTTTGTTTT	CTTGATGTTT	4260
4261	GTTTCATCAT	CTTCTTTTGC	TCAGGTAATT	GAAATGAATA	ATTCGCCTCT	GCGCGATTTT	4320
4321	GTAACTTGGT	ATTCAAAGCA	ATCAGGCGAA	TCCGTTATTG	TTTCTCCCGA	TGTAAAAGGT	4380
4381	ACTGTTACTG	TATATTCATC	TGACGTTAAA	CCTGAAAATC	TACGCAATTT	CTTTATTTCT	4440
4441	GTTTTACGTG	CTAATAATTT	TGATATGGTT	GGTTCAATTC	CTTCCATTAT	TTAGAAGTAT	4500
4501	AATCCAAACA	ATCAGGATTA	TATTGATGAA	TTGCCATCAT	CTGATAATCA	GGAATATGAT	4560
4561	GATAATTCCG	CTCCTTCTGG	TGGTTTCTTT	GTTCCGCAAA	ATGATAATGT	TACTCAAACT	4620
4621	TTTAAAATTA	ATAACGTTCG	GGCAAAGGAT	TTAATACGAG	TTGTCGAATT	GTTTGTAAAG	4680
4681	TCTAATACTT	СТАААТССТС	AAATGTATTA	TCTATTGACG	GCTCTAATCT	ATTAGTTGTT	4740
4741	AGTGCACCTA	AAGATATTTT	AGATAACCTT	CCTCAATTCC	TTTCTACTGT	TGATTTGCCA	4800
4801	ACTGACCAGA	TATTGATTGA	GGGTTTGATA	TTTGAGGTTC	AGCAAGGTGA	TGCTTTAGAT	4860
4861	TTTTCATTTG	CTGCTGGCTC	TCAGCGTGGC	ACTGTTGCAG	GCGGTGTTAA	TACTGACCGC	4920
4921	CTCACCTCTG	TTTTATCTTC	TGCTGGTGGT	TCGTTCGGTA	TTTTTAATGG	CGATGTTTTA	4980
4981	GGGCTATCAG	TTCGCGCATT	AAAGACTAAT	AGCCATTCAA	AAATATTGTC	TGTGCCACGT	5040
5041	ATTCTTACGC	TTTCAGGTCA	GAAGGGTTCT	ATCTCTGTTG	GCCAGAATGT	CCCTTTTATT	5100
5101	ACTGGTCGTG	TGACTGGTGA	ATCTGCCAAT	GTAAATAATC	CATTTCAGAC	GATTGAGCGT	5160
5161	CAAAATGTAG	GTATTTCCAT	GAGCGTTTTT	CCTGTTGCAA	TGGCTGGCGG	TAATATTGTT	5220
5221	CTGGATATTA	CCAGCAAGGC	CGATAGTTTG	AGTTCTTCTA	CTCAGGCAAG	TGATGTTATT	5280
281	АСТААТСААА	GAAGTATTGC	TACAACGGTT	AATTTGCGTG	ATGGACAGAC	ТСТТТТАСТС	5340
341	GGTGGCCTCA	CTGATTATAA	AAACACTTCT	CAAGATTCTG	GCGTACCGTT	CCTGTCTAAA	5400
401	АТСССТТТАА	TCGGCCTCCT	GTTTAGCTCC	CGCTCTGATT	CCAACGAGGA	AAGCACGTTA	5460
461	TACGTGCTCG	TCAAAGCAAC	CATAGTACGC	GCCCTGTAGC	GGCGCATTAA	GCGCGGCGGG	5520
521	TGTGGTGGTT	ACGCGCAGCG '	TGACCGCTAC	ACTTGCCAGC	GCCCTAGCGC	CCGCTCCTTT	5580
581	CGCTTTCTTC	CCTTCCTTTC '	TCGCCACGTT	CGCCGGCTTT	CCCCGTCAAG	СТСТАВАТСС	5640

FIG. 9C

5761 GTTGGAGTCC ACGTTCTTTA ATAGTGGACT CTTGTTCCAA ACTGGAACAA CACTCAACCC 582 5821 TATCTCGGGC TATTCTTTTG ATTTATAAGG GATTTTGCCG ATTTCGGAAC CACCATCAAA 588 5881 CAGGATTTTC GCCTGCTGGG GCAAACCAGC GTGGACCGCT TGCTGCAACT CTCTCAGGGC 594 5941 CAGGCGGTGA AGGGCAATCA GCTGTTGCCC GTCTCGCTGG TGAAAAGAAA AACCACCCTG 606 6001 GCGCCCAATA CGCAAACCGC CTCTCCCCGC GCGTTGGCCG ATTCATTAAT GCAGCTGCCA 606 6001 GCGCCCAATA CGCAAACCGC CTCTCCCCGC GCGTTGGCCG ATTCATTAAT GCAGCTGCCA 606 6010 GCGCCCAATA CGCAACCGC CTTTACACTT TATGCTTCCG GCAATTAATG TGAGTTAGCT 612 6121 CACTCATTAG GCACCCCAGG CTTTACACTT TATGCTTCCG GCTCGTATGT TGTGTGGGAAT 618 6181 TGTGAGCGGA TAACAATTTC ACACAGGAAA CAGCTATGAC CAGGATGTAC GAATTCCCAG 624 6241 GTAGGAGAGC TCGGCGGATC CGAGGCTGAA GCGCATTGAC CAGGATGAC GCATTCAAT 630 6301 AGTTTACAGG CAAGTGCTAC TGAGTACATT GGCTAAGGC TGCATTCAAT 630 6301 AGTTTACAGG CAAGTGCTAC TGAGTACATT GGCTAAGGC TGCATTCAAT 630 6301 AGTTTACAGG CAAGTGCTAC TGAGTACATT GGCTAAGGC TGCATTGAT AGTAGTTATA 636 6361 GTTGGTGCTA CCATAGGGAT TAAATTATTC AAAAAAGTTTA CGAGCAAGGC TTCTTAACCA 642 6421 GCTGGCGTAA TAGCGAAGAG GCCCGCACCG ATCGCCTTC CCAACAGTTG CGCAGCCTGA 648 6481 ATGCGGAATG GCGCTTTGCC TGGTTTCCGG CACCAGAAGC GTGCCGGAA AGCTGGCTG 654 6541 AGGCGGATT TCCTGAGGCC GATACGGTC TCGTCCCCTC AAACTGGCAA AGCTGGCTG 656 6661 ACGATGCGC CATCTACACC AACGTAACCT ATCCCATTAC GGTCAATCCG CCGTTTGTC 666 6661 ACGATGCGC CATCTACACC AACGTAACCT ATCCCATTAC GGTCAATCCG CCGTTTGTC 666 6661 ACGATGGCAA TCCGCGGGT TGTTACTCGC TCACATTAA TGTTGATAAAA ATGAGCTGAT 676 6721 AGGAAGGCCA GACGCGAATT ATTTTTGATG GCGTTCCTAT TGGTTAAAAA ATGAGCTGAT 676 6781 TTAACAAAAA TTTAACGCGA ATTTTAACAA AATATTAACG TTTACAATTT AAATATTTC CAGGCAA 696 6961 TAACAATAT TTACCGATA CCTTCTACAA AATATTAACG TTTACAATTT AAATATTTC CAGGCAA 696 6961 TGACCTGATA GCCTTTGTAG ATCTCTCAAA AATATTAACC TTTCCCGGCC TTTATTTCA CCCTCTCGGCC TTTCTCACCC 706 7081 TTTTGAATCT TTACCTACA ATTATCTCAG CATTGCATTT AAAATATATA AGGGTTCTAA 714 7141 AAATTTTTAT CCTTGCGTT AAATTAACG CATTGCATTT AAAATATATA AGGGTTCTAA 714 7141 AAATTTTTAT CCTTGCGTT AAATAAAAGGC TTCCCCGCA AAAGTATTAC AGGGTTCTAA 720 7121 TGTTTTTGGT ACAACCGATT TA	5700	'TGA	AAAAACTT	CCCA	CTCGAC	ACGGCAC	T	GATTTAGTGC	TTAGGGTTCC	GGGGCTCCCT	5641
5821 TATCTCGGGC TATTCTTTG ATTTATAGG GATTTGCCG ATTTCGGAC CACCATCAAA 588 5881 CAGGATTTC GCCTGCTGGG GCAAACCAGC GTGGACCGCT TGCTGCAACT CTCTCAGGGC 594 5941 CAGGCGGTAA AGGGCAATCA GCTGTTGCCC GTCTCGCTGG TGAAAAGAAA AACCACCCTG 600 6001 GCGCCCAATA CGCAAACCGC CTCTCCCCGC GCGTTGGCCG ATTCATTAAT GCAGCTGGCA 606 6001 GCGCCCAATA CGCAACCGC CTCTCCCCGC GCGTTGGCCG ATTCATTAAT GCAGCTGGCA 606 6001 GCGCCCAATA CCCAACGGA AAGCGGGCAG TGAGCGCAAC GCAATTAATG TGAGTTAGCT 612 6121 CACTCATTAG GCACCCCAGG CTTTACACTT TATGCTTCCG GCTCGTATGT TGTGTGGGAAT 612 6181 TGTGAGCGGA TAACAATTTC ACACAGGAAA CAGCTATGAC CAGGATGAC GAATTCCCAG 624 6241 GTAGGAGAGC TCGGCGGATC CGAGGCTGAA GCGCTATGAC CAGGATGAC GAATTCCACA 636 6301 AGTTTACAGG CAAGTGCTAC TGAGTACATT GGCTAAGGC TGCATTCAAT 636 6310 GTTGGTGCTA CCATAGGGAT TAAATTATTC AAAAAAGTTTA CGAGCAAGGC TTCTTAACCA 642 6421 GCTGGCGTAA TAGCGAAGGA GCCCGCACCG ATCGCCTTC CCAACAGTTG CGCAGCCTGA 648 6481 ATGGCGAATG GCGCTTTCCC TGGTTTCCG CACCAGAAGC GTGCCGGAA AGCTGGCTG 654 6541 AGTGCGATCT TCCTGAGGCC GATACGGTC TCGTCCCCTC AAACTGGCAA AGCTGGCTG 654 6661 ACGATGCGCC CATCTACACC AACGTAACCT ATCCCATTAC GGTCAATCCG CCGTTTGTC 666 6661 CCACGGAGAA TCCGACGGGT TGTTACTCG TCGTCCCTC AAACTGGCAA AGCTGGCTAC 672 6721 AGGAAGGCCA GACGCGAATT ATTTTTGATG GCGTTCCTAT TGGTTAAAAA ATGAGCTGAT 676 6781 TTAACAAAAA TTTAACGCGA ATTTTAACAAA AATATTAAC TTTGCAAAAA ATGAGCTGAC TTCCCTGGAC TTCCCTGGAC TTCCCTGTTT TGGGGCTTTT TGGGGCTTTT TGGGGCTTT TTCCTGAGCC TTCCCTCCAAACTTAA TGTTGAAAAA ATGAGCTGAC 672 6721 AGCAAGACG GTTGAATAC CGTTCATCCAA AATATCAAC ACCGGGGTAC ATTAATTTAC 670 67021 AGCTAGAACG GTTGAATATC ATTATTGATG TGTTTTTACAATC TTCCCTGCC TTCCCTCCAAAATTTAA ACCGGGGTAC TTCATCACC ATTATTTACAAA AATATCAAC ACCGGGTAC TTCTCCAGCC TTCCTCCGCC TTCCTCCGCC TTCCTCAGCC TTCTCACCC 706 6701 TGTTTTGGT TTACCTACAC ATTACTCAGG CATTGCATT AAAATATTAA ACGGGTTCTAA 714 67021 AGCTAGAACG GTTGAATAC ATTATTGATG TGTTTTTACAATTT AAAATATTAA ACGGGTTTAA 720 7011 TGTTTTGCT TCCCTGTTT TACCTACAC ATTACTCAGG CATTGCATT AAAATATTAA AGGGTCTAAA 720 7141 AAATTTTAT CCTTGCGTTG AAATAAAAGGC TTCTCCGCC TTTCTCCGCC TTCTCTCACC 706 7141 AAATTTTTAC CCTTGCGTTG AAATAAA	5,7,60	GAC	GCCCTTTC	тттс	ACGGTTT	CTGATAG	G	GTGGGCCATC	GGTTCACGTA	TTTGGGTGAT	5701
5881 CAGGATTITC GCCTGCTGGG GCAAACCAGC GTGGACCGCT TGCTGCAACT CTCTCAGGGC 594 5941 CAGGCGGTA AGGGCAATCA GCTGTTGCCC GTCTCGCTGG TGAAAAGAAA AACCACCCTG 600 6001 GCGCCCAATA CGCAAACCGC CTCTCCCCGC GCGTTGGCCG ATTCATTAAT GCAGCTGGCA 606 6001 GCGCCCAATA CGCAAACCGC CTCTCCCCGC GCGTTGGCCG ATTCATTAAT GCAGCTGGCA 606 6001 GCACAGGTTT CCCGACTGGA AAGCGGGCAG TGAGCGCAAC GCAATTAAT TGGTTAGCTT 612 6121 CACTCATTAG GCACCCCAGG CTTTACACTT TATGCTTCCG GCTCGTATGT TGTGTGGAAT 618 6181 TGTGAGCGGA TAACAATTTC ACACAGGAAA CAGCTATGAC CAGGATGAC GAATTCGCAG 624 6241 GTAGGAGAGC TCGGCGGATC CGAGGCTGAA GCGCTATGAC CAGGATGAC GAATTCGCAG 624 6301 AGTTTACAGG CAAGTGCTAC TGAGTACATT GGCTAAGGC TGCATTCAAT 630 6301 AGTTTACAGG CAAGTGCTAC TGAGTACATT GGCTAAGGC TGCATTCAAT 630 6301 AGTTTACAGG CAAGTGCTAC TGAGTACATT GGCTAGGCC TCCTTAAGGC TCCATTCAAC 642 6421 GCTGGCGTAA TAGCGAAGAG GCCCGCACCG ATCGCCCTTC CCAACAGTTG CGCAGCCTGA 648 6481 ATGGCGAATG GCGCTTTGCC TGGTTTCCG CACCAGAAGC GTGCCGGAA AGCTGGCTG 654 6541 AGTGCGATCT TCCTGAGGCC GATACGGTC TCGTCCCCTC AAACTGGCAA AGCTGGCTG 654 6661 ACGATGCGC CATCTACACC AACGTAACCT ACCCATTAC GGTCAATCCG CCGTTTGTC 666 6661 CCACGGAGAA TCCGACGGGT TGTTACTCG TCACATTTAA TGTTGATAAAA ATGACTGCA 672 6721 AGGAAGGCCA GACGCGAATT ATTTTTGATG GCGTTCCTAT TGGTTAAAAA ATGACTGCT 672 6781 TTAACAAAAA TTTAACGCGA ATTTTAACAA AATATTAACG TTTACAATTT AAATATTTC 666 6661 TAACCTGATT TCCTGTTTT TGGGGCTTTT CTGATTATA ACCGGGGTAC ATATCATTA 666 6661 TAACCTGATT TTACCATTAC CGTTCAACA AATATCAAC ACCGGGTAC TTAATTTAC 672 6721 AGCTAGAACG GTTGAATTAC CGTTCAACA AATATCAACC CTCTCCGGCA TTAATTTAC 672 6721 AGCTAGAACG GTTGAATAC ATATTGATGG TGTTTTTTACCTCC TTCTCTGTT TGCTCCAGAC TTAATTTATC 702 7021 AGCTAGAACG GTTGAATAC ATATTCAAG CATTCCAGTCC CTCTCCGGCA TTAATTTATC 702 7021 AGCTAGAACG GTTGAATAC ATATTCAAG CATTCCAGTC TTTTTCACCT TTTTTCACCT 702 7031 TTTTTGAACA ACAACCGATT TACCTTTATG CTCTCGGCC TTTCTCACC 702 7041 TTTTTTGCT ACAACCAATT TACCTTTATG CTCTCGGCC TTTCTCACC 702 7041 TTTTTTGCT ACAACCAATT TACCTTTATG CTCTCGGCC TTTCTCACC 702 7041 TTTTTTGCT TCCCTGTTT TACCTTTTT TACCTTTTT AAAATATTAC AGGGTTCTAA 72 7051 TTTTTTGCT TCCCTGTTT TACCTT	5820	ccc,	CACTCAAC	ACAA	ACTGGA	GTTCCAA	CI	ATAGTGGACT	ACGTTCTTTA	GTTGGAGTCC	5761
5941 CAGGCGGTGA AGGGCAATCA GCTGTTGCCC GTCTCGCTGG TGAAAAGAAA AACCACCCTG 600 6001 GCGCCCAATA CGCAAACCGC CTCTCCCCGC GCGTTGGCCG ATTCATTAAT GCAGCTGGCA 606 6001 GCGCCCAATA CGCAAACCGC CTCTCCCCGC GCGTTGGCCG ATTCATTAAT GCAGCTGGCA 606 6001 GCGCCCAATA CGCAAACCGC CTCTCCCCGC GCGTTGGCCG ATTCATTAAT GCAGCTGGCA 606 6001 GCACCGTTT CCCGACTGGA AAGCGGGCAG TGAGCGCAAC GCAATTAATG TGAGTTAGCT 612 6121 CACTCATTAG GCACCCCAGG CTTTACACTT TATGCTTCCG GCTCGTATGT TGTGTGGAAT 618 6181 TGTGAGCGGA TAACAATTTC ACACAGGAAA CAGCTATGAC CAGGATGTAC GAATTCCCAG 624 6241 GTAGGAGAGC TCGGCGGATC CGAGGCTGAA GGCGATGACC CTGCTAAGGC TGCATTCAAT 636 6301 AGTTTACAGG CAAGTGCTAC TGAGTACATT GGCTACGCTT GGGCTATGGC TGCATTCAAT 636 6310 GTTGGTGCTA CCATAGGGAT TAAATTATTC AAAAAGTTTA CGAGCAAGGC TTCTTAACCA 642 6421 GCTGGCGTAA TAGCGAAGAG GCCCGCACCG ATCGCCTTC CCAACAGTTG CGCAGCCTGA 648 6481 ATGGCGAATG GCGCTTTGCC TGGTTTCCGG CACCAGAAGC GGTGCCGGAA AGCTGGCTGG 654 6541 AGTGCGATCT TCCTGAGGCC GATACGGTCG TCGTCCCCTC AAACTGGCAG ATGCACGGTT 666 6661 ACGATGCGCC CATCTACACC AACGTAACCT ATCCCATTAC GGTCAATCCG CCGTTTGTC 666 6661 CCACGGAGAA TCCGACGGGT TGTTACTCGC TCACATTTAA TGTTGATGAA AGCTGGCTAC 672 6721 AGGAAGGCCA GACGCGAATT ATTTTTGATG GCGTTCCTAT TGGTTAAAAAA ATGAGCTGAC 676 6781 TTAACAAAAA TTTAACGCGA ATTTTAACAA AATATTAACG TTTACAATTT AAATATTTGC 666 6661 TGACCTGATT TTACGATTAC CGTTCATCGA TTCTCTTGTT TGCTCCAGAC TCTCAGGCAA 666 6661 TGACCTGATT TTACGATTAC CGTTCATCGA TTCTCTTGTT TGCTCCAGAC TCTCAGGCAA 666 6661 TGACCTGATA GCCTTTGTAG ATCTCTCAAA AATATTACAG TTTACAATTT AAATATTTTC 702 7021 AGCTAGAACG GTTGAATATC ATATTGATG TGATTTGACT GTCTCCGGCC TTTCTCACCC 706 7081 TTTTGAATCT TTACCTACAC ATTACTCAGG CATTGCATT AAAATATTAC AGGGTTCTAA 714 7141 AAATTTTTAT CCTTGCGTTG AAATAAAAGGC TCTCCCGCA AAAGTATTAC AGGGTTCTAA 720 7141 AAATTTTTAT CCTTGCGTT AAATAAAAGGC TCTCCAGGCA TTATTTTTCCTAA 720 7151 TGTTTTGGT ACAACCGATT TAGCTTTATG CTCTGAGGCT TTATTGCTTA ATTTTTGCTAA 720 7161 TTCTTTGCCT TGCCTGTATG ATTTATTTGGA CGTT	5880	AAA ,	CACCATCA	GAAC	ATTTCG	TTTGCCG	G <i>I</i>	ATTTATAAGG	TATTCTTTTG	TATCTCGGGC	5821
6001 GCGCCCAATA CGCAAACCGC CTCTCCCGC GCGTTGGCCG ATTCATTAAT GCAGCTGGCA 606 6061 CGACAGGTTT CCCGACTGGA AAGCGGGCAG TGAGCGCAAC GCAATTAATG TGAGTTAGCT 612 6121 CACTCATTAG GCACCCCAGG CTTTACACTT TATGCTTCCG GCTCGTATGT TGTGTGGAAT 618 6181 TGTGAGCGGA TAACAATTC ACACAGGAAA CAGCTATGAC CAGGATGTAC GAATTCGCAG 624 6241 GTAGGAGAGC TCGGCGGATC CGAGGCTGAA GCGCATGACC CTGCTAAGGC TGCATTCAAT 630 6301 AGTTTACAGG CAAGTGCTAC TGAGTACATT GGCTACGCTT GGGCTATGGT AGTAGTTATA 636 6361 GTTGGTGCTA CCATAGGGAT TAAATTATTC AAAAAGTTTA CGAGCAAGGC TTCTTAACCA 642 6421 GCTGGCGTAA TAGCGAAGAG GCCCGCACCG ATCGCCCTT CCAACAGTT GCAGCCCTGA 646 6481 ATGGCGAATG GCGCTTTGCC TGGTTTCCGG CACCAGAAGC GGTGCCGGAA AGCTGGCTG 654 6541 AGTGCGATCT TCCTGAGGCC GATACGCTT ATCCCATTAC GGTCAATCCG CGTTTGTT 666 6661 ACGATGCGCC CATCTACACC AACGTAACCT ATCCCATTAC GGTCAATCCG CCGTTTGTT 666 6661 CCACGGAGAA TCCGACGGGT TGTTACTCGC TCACATTTAA TGTTGATGAA AGCTGGCTAC 672 6721 AGGAAGGCCA GACCCGAATT ATTTTTGATG GCGTTCCTAT TGGTTAAAAA ATGAGCTGAT 676 6721 AGGAAGGCCA GACCCGAATT ATTTTTGATG GCGTTCCTAT TGGTTAAAAA ATGAGCTGAT 676 6781 TTAACAAAAA TTTAACCGCA ATTTAACAA AATATTACG TTTACAATTT AAATATTTC 686 6861 TGACCTGATT TTACGATTAC CGTTCATCGA TTCTCTTGTT TGCTCCAGCC TTCCAGGCA TTCATGATCA 676 6861 TGACCTGATA GCCTTTGTAG ATCTCTCAAA AATAGCTACC CTCTCCGGC TTTATTTACC 702 7021 AGCTAGAACG GTTGAATATC ATATTGATG TGTTTTTACA ACCGGGGTAC ATATGATTAC 702 7021 AGCTAGAACG GTTGAATATC ATATTGATG TGTTTTTACCT TTCCCGCC TTTCTCACC 706 7081 TTTTGAATCT TTACCTACAC ATTACTCAGG CATTGCATTT AAAATATATG AGGGTTCTAA 714 7141 AAATTTTAT CCTTGCGTTG AAATAAAGGC TTCTCCGGC TTTCTCACC 706 7021 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTGAGGCT TTATTTCCTAA AGGGTCATAA 720 7021 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTGAGGCT TTATTTCCTAA AGGGTCATAA 720 7021 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTGAGGCT TTATTTCCTAA ATTTTTCCTAA 720 7021 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTGAGGCT TTATTTCCTAA ATTTTTCCTAA 720 7021 TGTTTTTGCT TGCCTGTATG ATTTTTTTGGT CTCTCGGGC TTTCTTCCTAA ATTTTTTCCTAA 720 7021 TGTTTTTGCT TGCCTGTATG ATTTTTTTGG CTCTCGGGCT TTATTTTCCTAA 720	5940	GGC	CTCTCAGO	AACT	TGCTGC	GACCGCT	G	GCAAACCAGC	GCCTGCTGGG	CAGGATTTTC	5881
6061 CGACAGGTTT CCCGACTGGA AAGCGGGCAG TGAGCGCAAC GCAATTAATG TGAGTTAGCT 612 6121 CACTCATTAG GCACCCCAGG CTTTACACTT TATGCTTCCG GCTCGTATGT TGTGTGGAAT 618 6181 TGTGAGCGGA TAACAATTC ACACAGGAAA CAGCTATGAC CAGGATGTAC GAATTCGCAG 624 6241 GTAGGAGAGC TCGGCGGATC CGAGGCTGAA GGCGATGACC CTGCTAAGGC TGCATTCAAT 636 6301 AGTTTACAGG CAAGTGCTAC TGAGTACATT GGCTACGCTT GGGCTATGGT AGTAGTTATA 636 6361 GTTGGTGCTA CCATAGGGAT TAAATTATTC AAAAAGTTTA CGAGCAAGGC TTCTTAACCA 642 6421 GCTGGCGTAA TAGCGAAGAG GCCCGCACCG ATCGCCCTTC CCAACAGTTG CGCAGCCTGA 648 6481 ATGGCGAATG GCGCTTTGCC TGGTTTCCGG CACCAGAAGC GGTGCCGGAA AGCTGGCTG 654 6541 AGTGCGATCT TCCTGAGGCC GATACGGTCG TCGTCCCCTC AAACTGGCAG ATGCACGGTT 666 6601 ACGATGCGCC CATCTACACC AACGTAACCT ATCCCATTAC GGTCAATCCG CCGTTTGTTC 666 6610 CCACGGAGAA TCCGACGGGT TGTTACTCGC TCACATTTAA TGTTGATGAA AGCTGGCTAC 672 6721 AGGAAGGCCA GACGCGAATT ATTTTTGATG GCGTTCCTAT TGGTTAAAAA ATGAGCTGAT 672 6781 TTAACAAAAAA TTTAACGCGA ATTTTAACAA AATATTAACG TTTACAATTT AAATATTTGC 686 6841 TTATACAATC TTCCTGTTTT TGGGGCTTTT CTGATTATCA ACCGGGGTAC ATATGATTGA 690 6841 TTATACAATC TTCCTGTTTT TGGGGCTTTT CTGATTATCA ACCGGGGTAC ATATGATTGA 690 6841 TTATACAATC TTCCTGTTTT TGGGGCTTTT CTGATTATCA ACCGGGGTAC ATATGATTGA 690 6861 TGACCTGATT GCCTTGTAG ATCTCCAAA AATAGCTACC CTCTCCGGCA TTAATTTATC 702 7021 AGCTAGAACG GTTGAATATC ATATTGATGG TGATTTGACT GTCTCCCGCC TTTCTCACCC 708 7081 TTTTGAATCT TTACCTACAC ATTACTCAGG CATTGCATTT AAAATATATA AGGGTTCTAA 714 7141 AAATTTTTAT CCTTCCGTT AAATAAAAGGC TTCTCCCCCA AAAGTATTAC AGGGTTCTAA 720 7141 AAATTTTTAT CCTTCCGTTT AAAATAAAAGC TTCTCCCCCA AAAGTATTAC AGGGTTCTAA 720 7121 TGTTTTTGCT ACAACCGATT TAGCTTTATG CTCTCAGGCT TTATTGCTTA ATTTTTGCTA ACAACCGATT TAGCTTTATG CTCTCGGCT TTATTTGCTA ATTTTTGCTA ATTTTTTGCTA ATTTTTTTTTT	6000	CTG	AACCACC	GAAA	TGAAAA	TCGCTGG	G	GCTGTTGCCC	AGGGCAATCA	CAGGCGGTGA	5941
6121 CACTCATTAG GCACCCCAGG CTTTACACTT TATGCTTCCG GCTCGTATGT TGTGTGGAAT 618 6181 TGTGAGCGGA TAACAATTTC ACACAGGAAA CAGCTATGAC CAGGATGTAC GAATTCGCAG 624 6241 GTAGGAGAGC TCGGCGGATC CGAGGCTGAA GCCGATGACC CTGCTAAGGC TGCATTCAAT 636 6301 AGTTTACAGG CAAGTGCTAC TGAGTACATT GGCTACGCTT GGGCTATGGT AGTAGTATAA 636 6361 GTTGGTGCTA CCATAGGGAT TAAATTATTC AAAAAGTTTA CGAGCAAGGC TTCTTAACCA 642 6421 GCTGGCGTAA TAGCGAAGAG GCCCGCACCG ATCGCCCTTC CCAACAGTTG CGCAGCCTGA 648 6481 ATGGCGAATG GCGCTTTGCC TGGTTTCCGG CACCAGAAGC GGTGCCGGAA AGCTGGCTG 654 6541 AGTGCGATCT TCCTGAGGCC GATACGGTCG TCGTCCCCTC AAACTGGCAG ATGCACGGTT 666 6661 ACGATGCGC CATCTACACC AACGTAACCT ATCCCATTAC GGTCAATCCG CCGTTTGTTC 666 6661 CCACGGAGAA TCCGACGGGT TGTTACTCGC TCACATTAAA TGTTGATGAA AGCTGGCTAC 672 6721 AGGAAGGCCA GACGCGAATT ATTTTTGATG GCGTTCCTAT TGGTTAAAAA ATGAGCTGAT 676 6841 TTAACAAAAA TTTAACGCGA ATTTTAACAA AATATTAACG TTTACAATTT AAATATTTGC 684 6841 TTATACAAATC TTCCTGTTTT TGGGGCTTTT CTGATTACAA TCCCATTACA ACCGGGGTAC ATATGATTGA 696 6841 TTATACAAATC TTCCTGTTTT TGGGGCTTTT CTGATTACAA CCGGGGTAC ATATGATTGA 696 6861 CATCGTAGTT TTACGATTAC CGTTCATCGA TTCTCTTGTT TGCTCAGAC TCTCAGGCAA 696 6861 TGACCTGATA GCCTTTGTAG ATCTCTCAAA AATATTAACG TTTACCAGAC TCTCAGGCAA 696 6861 TGACCTGATA GCCTTTGTAG ATCTCTCAAA AATAGCTACC CTCTCCGGCA TTAATTTATC 702 7021 AGCTAGAACG GTTGAATATC ATATTGATG TGATTTGACT GTCTCCGGC TTTCTCACCC 708 7081 TTTTGAATCT TTACCTACAC ATTACTCAGG CATTGCATTT AAAATATTAC AGGGTTCTAA 714 7141 AAATTTTTAT CCTTGCGTTG AAATAAAGGC TTCTCCGCA AAAGTATTAC AGGGTTCTAA 720 7141 AAATTTTTAT CCTTGCGTTG AAATAAAAGCC TTCTCCGCA AAAGTATTAC AGGGTCATAA 720 7121 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTTGGGCT TTATTTGCTTA ATTTTTGCTAA 720 7121 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTCAGGCT TTATTTGCTTA ATTTTTTTTTT	6060	GCA	GCAGCTG	TAAT	ATTCATT	TTGGCCG	G	CTCTCCCCGC	CGCAAACCGC	GCGCCCAATA	6001
6181 TGTGAGCGGA TAACAATTTC ACACAGGAAA CAGCTATGAC CAGGATGTAC GAATTCGCAG 624 6241 GTAGGAGAGC TCGGCGGATC CGAGGCTGAA GGCGATGACC CTGCTAAGGC TGCATTCAAT 636 6301 AGTTTACAGG CAAGTGCTAC TGAGTACATT GGCTACGCTT GGGCTATGGT AGTAGTTATA 636 6361 GTTGGTGCTA CCATAGGGAT TAAATTATTC AAAAAGTTTA CGAGCAAGGC TTCTTAACCA 642 6421 GCTGGCGTAA TAGCGAAGAG GCCCGCACCG ATCGCCCTTC CCAACAGTTG CGCAGCCTGA 648 6481 ATGGCGAATG GCGCTTTGCC TGGTTTCCGG CACCAGAAGC GGTGCCGGAA AGCTGGCTGG 654 6541 AGTGCGATCT TCCTGAGGCC GATACGGTCG TCGTCCCCTC AAACTGGCAG ATGCACGGTT 666 6661 ACGATGGGCC CATCTACACC AACGTAACCT ATCCCATTAC GGTCAATCCG CCGTTTGTC 666 6661 CCACGGAGAA TCCGACGGGT TGTTACTCGC TCACATTTAA TGTTGATGAA AGCTGGCTAC 672 6721 AGGAAGGCCA GACGCGAATT ATTTTTGATG GCGTTCCTAT TGGTTAAAAA ATGAGCTGAT 676 6841 TTAACAAAAA TTTAACGCGA ATTTTAACAA AATATTAACG TTTACAATTT AAATATTTGC 684 6841 TTATACAATC TTCCTGTTTT TGGGGCTTTT CTGATTATCA ACCGGGGTAC ATAGGATTGA 696 6901 CATGCTAGT TACCATTAC CGTTCATCAA AATATTACA ACCGGGGTAC ATAGATTGA 696 6901 CATGCTAGT TACCATTAC CGTTCAACAA AATATTACA ACCGGGGTAC ATATGATTGA 696 6901 CATGCTAGT TACCATTAC CGTTCATCAA AATAGCTACC CTCTCCGGCA TTAATTTATC 702 7021 AGCTAGAACG GTTGAATATC ATATTGATGG TGATTTGACT GTCTCCGGCC TTTCTCACCC 706 7081 TTTTGAATCT TTACCTACAC ATTACTCAGG CATTGCATTT AAAATATATA AGGGTTCTAA 714 7141 AAATTTTTAT CCTTGCGTTG AAATAAAGGC TTCTCCCGCA AAAGTATTAC AGGGTTCTAA 726 7201 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTCGGCT TTATTGCTTA ATTTTGCTTA 726 7261 TTCTTTGCCT TGCCTGTATG ATTTATTGGA CGTT	6120	AGCT	TGAGTTAG	AATG	GCAATT	GCGCAAC	т	AAGCGGGCAG	CCCGACTGGA	CGACAGGTTT	6061
6241 GTAGGAGAGC TCGGCGGATC CGAGGCTGAA GGCGATGACC CTGCTAAGGC TGCATTCAAT 636 6301 AGTTTACAGG CAAGTGCTAC TGAGTACATT GGCTACGCTT GGGCTATGGT AGTAGTTATA 636 6361 GTTGGTGCTA CCATAGGGAT TAAATTATTC AAAAAGTTTA CGAGCAAGGC TTCTTAACCA 642 6421 GCTGGCGTAA TAGCGAAGAG GCCCGCACCG ATCGCCCTTC CCAACAGTTG CGCAGCCTGA 648 6481 ATGGCGAATG GCGCTTTGCC TGGTTTCCGG CACCAGAAGC GGTGCCGGAA AGCTGGCTGG 654 6541 AGTGCGATCT TCCTGAGGCC GATACGGTCG TCGTCCCCTC AAACTGGCAG ATGCACGGTT 666 6601 ACGATGCGC CATCTACACC AACGTAACCT ATCCCATTAC GGTCAATCCG CCGTTTGTTC 666 6610 CCACGGAGAA TCCGACGGGT TGTTACTCGC TCACATTTAA TGTTGATGAA AGCTGGCTAC 672 6721 AGGAAGGCCA GACGCGAATT ATTTTTGATG GCGTTCCTAT TGGTTAAAAA ATGAGCTGAT 676 6781 TTAACAAAAA TTTAACGCGA ATTTTAACAA AATATTAACG TTTACAATTT AAATATTTGC 684 6841 TTATACAATC TTCCTGTTTT TGGGGCTTTT CTGATTATCA ACCGGGGTAC ATATGATTGA 696 6961 CGACGCGATA GCCTTTGTAG ATCTCTCAAA AATAGCTACC CTCTCCGGCA TTAATTTATC 702 7021 AGCTAGAACG GTTGAATATC ATATTGATGG TGATTTGACT GTCTCCAGCC TTTCTCACCC 708 7081 TTTTGAATCT TTACCTACAC ATTACTCAGG CATTGCATTT AAAATATTAC AGGGTCATAA 712 7141 AAATTTTTAT CCTTGCGTTG AAATAAAGGC TTCTCCCGCA AAAGTATTAC AGGGTCATAA 726 7201 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTGAGGCT TTATTGCTTA ATTTTGCTAA 726 7261 TTCTTTGCCT TGCCTGTATG ATTTATTGGA CGTT	6180	TAA	TGTGTGG	ATGT	GCTCGT	GCTTCCG	T.	CTTTACACTT	GCACCCCAGG	CACTCATTAG	6121
6301 AGTTTACAGG CAAGTGCTAC TGAGTACATT GGCTACGCTT GGGCTATGGT AGTAGTTATA 636 6361 GTTGGTGCTA CCATAGGGAT TAAATTATTC AAAAAGTTTA CGAGCAAGGC TTCTTAACCA 642 6421 GCTGGCGTAA TAGCGAAGAG GCCCGCACCG ATCGCCCTTC CCAACAGTTG CGCAGCCTGA 648 6481 ATGGCGAATG GCGCTTTGCC TGGTTTCCGG CACCAGAAGC GGTGCCGGAA AGCTGGCTGG 654 6541 AGTGCGATCT TCCTGAGGCC GATACGGTCG TCGTCCCCTC AAACTGGCAG ATGCACGGTT 666 6661 ACGATGCGCC CATCTACACC AACGTAACCT ATCCCATTAC GGTCAATCCG CCGTTTGTTC 666 6661 CCACGGAGAA TCCGACGGGT TGTTACTCGC TCACATTTAA TGTTGATGAA AGCTGGCTAC 672 6721 AGGAAGGCCA GACGCGAATT ATTTTTGATG GCGTTCCTAT TGGTTAAAAA ATGAGCTGAT 676 6781 TTAACAAAAA TTTAACGCGA ATTTTAACAA AATATTAACG TTTACAATTT AAATATTTGC 686 6841 TTATACAATC TTCCTGTTTT TGGGGCTTTT CTGATTATCA ACCGGGGTAC ATATGATTGA 696 6961 CGACCGATA GCCTTTGTAG ATCTCTCAAA AATAGCTACC CTCTCCGGCA TCACAGCAA 696 6961 TGACCTGATA GCCTTTGTAG ATCTCTCAAA AATAGCTACC CTCTCCGGCA TTAATTTATC 702 7021 AGCTAGAACG GTTGAATATC ATATTGATGG TGATTTGACT GTCTCCGGCC TTTCTCACCC 708 7081 TTTTGAATCT TTACCTACAC ATTACTCAGG CATTGCATTT AAAATATTAC AGGGTCATAA 726 7141 AAATTTTTAT CCTTGCGTTG AAATAAAGGC TTCTCCCGCA AAAGTATTAC AGGGTCATAA 726 7201 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTGAGGCT TTATTGCTTA ATTTTGCTAA 726 7261 TTCTTTGCCT TGCCTGTATG ATTTATTGGA CGTT	6240	CAG	GAATTCG	GTAC	CAGGATO	CTATGAC	C.	ACACAGGAAA	TAACAATTTC	TGTGAGCGGA	6181
6361 GTTGGTGCTA CCATAGGGAT TAAATTATTC AAAAAGTTTA CGAGCAAGGC TTCTTAACCA 642 6421 GCTGGCGTAA TAGCGAAGAG GCCCGCACCG ATCGCCCTTC CCAACAGTTG CGCAGCCTGA 648 6481 ATGGCGAATG GCGCTTTGCC TGGTTTCCGG CACCAGAAGC GGTGCCGGAA AGCTGGCTGG 654 6541 AGTGCGATCT TCCTGAGGCC GATACGGTCG TCGTCCCCTC AAACTGGCAG ATGCACGGTT 666 6661 ACGATGCGCC CATCTACACC AACGTAACCT ATCCCATTAC GGTCAATCCG CCGTTTGTTC 666 6661 CCACGGAGAA TCCGACGGGT TGTTACTCGC TCACATTTAA TGTTGATGAA AGCTGGCTAC 672 6721 AGGAAGGCCA GACGCGAATT ATTTTTGATG GCGTTCCTAT TGGTTAAAAA ATGAGCTGAT 678 6781 TTAACAAAAA TTTAACGCGA ATTTTAACAA AATATTAACG TTTACAATTT AAATATTTGC 684 6841 TTATACAATC TTCCTGTTTT TGGGGCTTTT CTGATTATCA ACCGGGGTAC ATATGATTGA 696 6961 TGACCTGATA GCCTTTGTAG ATCTCTCAAA AATAGCTACC CTCTCCGGCA TTAATTTATC 702 7021 AGCTAGAACG GTTGAATATC ATATTGATGG TGATTTGACT GTCTCCGGCC TTTCTCACCC 708 7081 TTTTGAATCT TTACCTACAC ATTACTCAGG CATTGCATTT AAAATATTAC AGGGTCATAA 726 7141 AAATTTTTAT CCTTGCGTTG AAATAAAGGC TTCTCCCGCA AAAGTATTAC AGGGTCATAA 726 7261 TTCTTTGCT TGCCTGTATG ATTTATTGGA CGTT	6300	TAAC	TGCATTC	AGGC	CTGCTA	GATGACC	G	CGAGGCTGAA	TCGGCGGATC	GTAGGAGAGC	6241
6421 GCTGGCGTAA TAGCGAAGAG GCCCGCACCG ATCGCCCTTC CCAACAGTTG CGCAGCCTGA 6486 6481 ATGGCGAATG GCGCTTTGCC TGGTTTCCGG CACCAGAAGC GGTGCCGGAA AGCTGGCTGG 654 6541 AGTGCGATCT TCCTGAGGCC GATACGGTCG TCGTCCCCTC AAACTGGCAG ATGCACGGTT 666 6561 ACGATGCGCC CATCTACACC AACGTAACCT ATCCCATTAC GGTCAATCCG CCGTTTGTTC 666 6661 CCACGGAGAA TCCGACGGGT TGTTACTCGC TCACATTTAA TGTTGATGAA AGCTGGCTAC 672 6721 AGGAAGGCCA GACGCGAATT ATTTTGATG GCGTTCCTAT TGGTTAAAAAA ATGAGCTGAT 678 6781 TTAACAAAAA TTTAACGCGA ATTTTAACAA AATATTAACG TTTACAATTT AAATATTTGC 686 6841 TTATACAATC TTCCTGTTTT TGGGGCTTTT CTGATTATCA ACCGGGGTAC ATATGATTGA 696 6901 CATGCTAGTT TTACGATTAC CGTTCATCGA TTCTCTTGTT TGCTCCAGAC TCTCAGGCAA 696 6961 TGACCTGATA GCCTTTGTAG ATCTCTCAAA AATAGCTACC CTCTCCGGCA TTAATTTATC 702 7021 AGCTAGAACG GTTGAATATC ATATTGATGG TGATTTGACT GTCTCCGGCC TTTCTCACCC 708 7081 TTTTGAATCT TTACCTACAC ATTACTCAGG CATTGCATTT AAAATATATG AGGGTTCTAA 714 7141 AAATTTTTAT CCTTGCGTTG AAATAAAGGC TTCTCCCGCA AAAGTATTAC AGGGTTCTAA 726 7201 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTGAGGCT TTATTGCTTA ATTTTGCTAA 726 7261 TTCTTTGCCT TGCCTGTATG ATTTATTGGA CGTT	6360	ATA	AGTAGTT	TGGT	GGGCTAT	TACGCTT	GC	TGAGTACATT	CAAGTGCTAC	AGTTTACAGG	6301
6481 ATGGCGAATG GCGCTTTGCC TGGTTTCCGG CACCAGAAGC GGTGCCGGAA AGCTGGCTGG 654 6541 AGTGCGATCT TCCTGAGGCC GATACGGTCG TCGTCCCCTC AAACTGGCAG ATGCACGGTT 666 6601 ACGATGCGCC CATCTACACC AACGTAACCT ATCCCATTAC GGTCAATCCG CCGTTTGTTC 666 6661 CCACGGAGAA TCCGACGGGT TGTTACTCGC TCACATTTAA TGTTGATGAA AGCTGGCTAC 672 6721 AGGAAGGCCA GACGCGAATT ATTTTTGATG GCGTTCCTAT TGGTTAAAAA ATGAGCTGAT 676 6781 TTAACAAAAA TTTAACGCGA ATTTTAACAA AATATTAACG TTTACAATTT AAATATTTGC 684 6841 TTATACAATC TTCCTGTTTT TGGGGCTTTT CTGATTATCA ACCGGGGTAC ATATGATTGA 696 6901 CATGCTAGTT TTACGATTAC CGTTCATCGA TTCTCTTGTT TGCTCCAGAC TCTCAGGCAA 696 6961 TGACCTGATA GCCTTTGTAG ATCTCTCAAA AATAGCTACC CTCTCCGGCA TTAATTTATC 702 7021 AGCTAGAACG GTTGAATATC ATATTGATGG TGATTTGACT GTCTCCGGCC TTTCTCACCC 708 7081 TTTTGAATCT TTACCTACAC ATTACTCAGG CATTGCATTT AAAATATAG AGGGTTCTAA 712 7141 AAATTTTTAT CCTTGCGTTG AAATAAAGGC TTCTCCCGCA AAAGTATTAC AGGGTTCATAA 726 7201 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTGAGGCT TTATTGCTTA ATTTTGCTAA 726 7261 TTCTTTGCCT TGCCTGTATG ATTTATTGGA CGTT	6420	ACCA	TTCTTAAC	AGGC	CGAGCA	AAGTTTA	AA	TAAATTATTC	CCATAGGGAT	GTTGGTGCTA	6361
AGTGCGATCT TCCTGAGGCC GATACGGTCG TCGTCCCCTC AAACTGGCAG ATGCACGGTT 666 6601 ACGATGCGCC CATCTACACC AACGTAACCT ATCCCATTAC GGTCAATCCG CCGTTTGTTC 666 6661 CCACGGAGAA TCCGACGGGT TGTTACTCGC TCACATTTAA TGTTGATGAA AGCTGGCTAC 672 6721 AGGAAGGCCA GACGCGAATT ATTTTTGATG GCGTTCCTAT TGGTTAAAAA ATGAGCTGAT 678 6781 TTAACAAAAA TTTAACGCGA ATTTTAACAA AATATTAACG TTTACAATTT AAATATTTGC 686 6841 TTATACAATC TTCCTGTTTT TGGGGCTTTT CTGATTATCA ACCGGGGTAC ATATGATTGA 696 6901 CATGCTAGTT TTACGATTAC CGTTCATCGA TTCTCTTGTT TGCTCCAGAC TCTCAGGCAA 696 6961 TGACCTGATA GCCTTTGTAG ATCTCTCAAA AATAGCTACC CTCTCCGGCA TTAATTTATC 702 7021 AGCTAGAACG GTTGAATATC ATATTGATGG TGATTTGACT GTCTCCGGCC TTTCTCACCC 708 7081 TTTTGAATCT TTACCTACAC ATTACTCAGG CATTGCATTT AAAATATATG AGGGTTCTAA 714 7141 AAATTTTTAT CCTTGCGTTG AAATAAAGGC TTCTCCCGCA AAAGTATTAC AGGGTCATAA 726 7201 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTGAGGCT TTATTGCTTA ATTTTGCTAA 726 7261 TTCTTTGCCT TGCCTGTATG ATTTATTGGA CGTT	6480	TGA	CGCAGCC	GTTG	CCAACA	GCCCTTC	A	GCCCGCACCG	TAGCGAAGAG	GCTGGCGTAA	6421
6601 ACGATGCGCC CATCTACACC AACGTAACCT ATCCCATTAC GGTCAATCCG CCGTTTGTTC 666 6661 CCACGGAGAA TCCGACGGGT TGTTACTCGC TCACATTTAA TGTTGATGAA AGCTGGCTAC 672 6721 AGGAAGGCCA GACGCGAATT ATTTTGATG GCGTTCCTAT TGGTTAAAAA ATGAGCTGAT 678 6781 TTAACAAAAA TTTAACGCGA ATTTTAACAA AATATTAACG TTTACAATTT AAATATTTGC 684 6841 TTATACAATC TTCCTGTTTT TGGGGCTTTT CTGATTATCA ACCGGGGTAC ATATGATTGA 696 6901 CATGCTAGTT TTACGATTAC CGTTCATCGA TTCTCTTGTT TGCTCCAGAC TCTCAGGCAA 696 6961 TGACCTGATA GCCTTTGTAG ATCTCTCAAA AATAGCTACC CTCTCCGGCA TTAATTTATC 702 7021 AGCTAGAACG GTTGAATATC ATATTGATGG TGATTTGACT GTCTCCGGCC TTTCTCACCC 708 7081 TTTTGAATCT TTACCTACAC ATTACTCAGG CATTGCATTT AAAATATATG AGGGTTCTAA 714 7141 AAATTTTTAT CCTTGCGTTG AAATAAAAGGC TTCTCCCGCA AAAGTATTAC AGGGTCATAA 726 7201 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTGAGGCT TTATTGCTTA ATTTTGCTAA 726 7261 TTCTTTGCCT TGCCTGTATG ATTTATTGGA CGTT	6540	TGG	AGCTGGCT	GGAA	GGTGCC	CAGAAGC	CA	TGGTTTCCGG	GCGCTTTGCC	ATGGCGAATG	6481
6661 CCACGGAGAA TCCGACGGT TGTTACTCGC TCACATTTAA TGTTGATGAA AGCTGGCTAC 672 6721 AGGAAGGCCA GACGCGAATT ATTTTGATG GCGTTCCTAT TGGTTAAAAA ATGAGCTGAT 678 6781 TTAACAAAAA TTTAACGCGA ATTTTAACAA AATATTAACG TTTACAATTT AAATATTTGC 684 6841 TTATACAATC TTCCTGTTTT TGGGGCTTTT CTGATTATCA ACCGGGGTAC ATATGATTGA 696 6901 CATGCTAGTT TTACGATTAC CGTTCATCGA TTCTCTTGTT TGCTCCAGAC TCTCAGGCAA 696 6961 TGACCTGATA GCCTTTGTAG ATCTCTCAAA AATAGCTACC CTCTCCGGCA TTAATTTATC 702 7021 AGCTAGAACG GTTGAATATC ATATTGATGG TGATTTGACT GTCTCCGGCC TTTCTCACCC 708 7081 TTTTGAATCT TTACCTACAC ATTACTCAGG CATTGCATTT AAAATATATG AGGGTCATAA 714 7141 AAATTTTTAT CCTTGCGTTG AAATAAAGGC TTCTCCCGCA AAAGTATTAC AGGGTCATAA 726 7201 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTGAGGCT TTATTGCTTA ATTTTGCTAA 726 7261 TTCTTTGCCT TGCCTGTATG ATTTATTGGA CGTT	6600	GTT	ATGCACG	GCAG	AAACTG	тсссстс	т	GATACGGTCG	TCCTGAGGCC	AGTGCGATCT	6541
AGGAAGGCCA GACGCGAATT ATTTTGATG GCGTTCCTAT TGGTTAAAAA ATGAGCTGAT 678 6781 TTAACAAAAA TTTAACGCGA ATTTTAACAA AATATTAACG TTTACAATTT AAATATTTGC 684 6841 TTATACAATC TTCCTGTTTT TGGGGCTTTT CTGATTATCA ACCGGGGTAC ATATGATTGA 696 6901 CATGCTAGTT TTACGATTAC CGTTCATCGA TTCTCTTGTT TGCTCCAGAC TCTCAGGCAA 696 6961 TGACCTGATA GCCTTTGTAG ATCTCTCAAA AATAGCTACC CTCTCCGGCA TTAATTTATC 702 7021 AGCTAGAACG GTTGAATATC ATATTGATGG TGATTTGACT GTCTCCGGCC TTTCTCACCC 708 7081 TTTTGAATCT TTACCTACAC ATTACTCAGG CATTGCATTT AAAATATATG AGGGTTCTAA 714 7141 AAATTTTTAT CCTTGCGTTG AAATAAAGGC TTCTCCCGCA AAAGTATTAC AGGGTCATAA 726 7201 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTGAGGCT TTATTGCTTA ATTTTGCTAA 726 7261 TTCTTTGCCT TGCCTGTATG ATTTATTGGA CGTT	6660	STTC	CCGTTTGT	TCCG	GGTCAA	CCATTAC	A	AACGTAACCT	CATCTACACC	ACGATGCGCC	6601
TTAACAAAA TTTAACGCGA ATTTTAACAA AATATTAACG TTTACAATTT AAATATTTGC 684 6841 TTATACAATC TTCCTGTTTT TGGGGCTTTT CTGATTATCA ACCGGGGTAC ATATGATTGA 696 6901 CATGCTAGTT TTACGATTAC CGTTCATCGA TTCTCTTGTT TGCTCCAGAC TCTCAGGCAA 696 6961 TGACCTGATA GCCTTTGTAG ATCTCTCAAA AATAGCTACC CTCTCCGGCA TTAATTTATC 702 7021 AGCTAGAACG GTTGAATATC ATATTGATGG TGATTTGACT GTCTCCGGCC TTTCTCACCC 708 7081 TTTTGAATCT TTACCTACAC ATTACTCAGG CATTGCATTT AAAATATATG AGGGTTCTAA 714 7141 AAATTTTTAT CCTTGCGTTG AAATAAAGGC TTCTCCCGCA AAAGTATTAC AGGGTCATAA 726 7201 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTGAGGCT TTATTGCTTA ATTTTGCTAA 726 7261 TTCTTTGCCT TGCCTGTATG ATTTATTGGA CGTT	6720	CTAC	AGCTGGCT	TGAA	TGTTGA	CATTTAA	т	TGTTACTCGC	TCCGACGGGT	CCACGGAGAA	6661
6841 TTATACAATC TTCCTGTTTT TGGGGCTTTT CTGATTATCA ACCGGGGTAC ATATGATTGA 690 6901 CATGCTAGTT TTACGATTAC CGTTCATCGA TTCTCTTGTT TGCTCCAGAC TCTCAGGCAA 696 6961 TGACCTGATA GCCTTTGTAG ATCTCTCAAA AATAGCTACC CTCTCCGGCA TTAATTTATC 702 7021 AGCTAGAACG GTTGAATATC ATATTGATGG TGATTTGACT GTCTCCGGCC TTTCTCACCC 706 7081 TTTTGAATCT TTACCTACAC ATTACTCAGG CATTGCATTT AAAATATATG AGGGTTCTAA 714 7141 AAATTTTTAT CCTTGCGTTG AAATAAAGGC TTCTCCCGCA AAAGTATTAC AGGGTCATAA 726 7201 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTGAGGCT TTATTGCTTA ATTTTGCTAA 726 7261 TTCTTTGCCT TGCCTGTATG ATTTATTGGA CGTT	6780	GAT	ATGAGCT	AAAA	TGGTTA	TTCCTAT	G	ATTTTTGATG	GACGCGAATT	AGGAAGGCCA	6721
6901 CATGCTAGTT TTACGATTAC CGTTCATCGA TTCTCTTGTT TGCTCCAGAC TCTCAGGCAA 696 6961 TGACCTGATA GCCTTTGTAG ATCTCTCAAA AATAGCTACC CTCTCCGGCA TTAATTTATC 702 7021 AGCTAGAACG GTTGAATATC ATATTGATGG TGATTTGACT GTCTCCGGCC TTTCTCACCC 708 7081 TTTTGAATCT TTACCTACAC ATTACTCAGG CATTGCATTT AAAATATATG AGGGTTCTAA 714 7141 AAATTTTTAT CCTTGCGTTG AAATAAAGGC TTCTCCCGCA AAAGTATTAC AGGGTCATAA 720 7201 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTGAGGCT TTATTGCTTA ATTTTGCTAA 726 7261 TTCTTTGCCT TGCCTGTATG ATTTATTGGA CGTT	6840	TGC	AAATATT	АТТТ	TTTACA	ATTAACG	. A <i>l</i>	ATTTTAACAA	TTTAACGCGA	TTAACAAAAA	6781
6961 TGACCTGATA GCCTTTGTAG ATCTCTCAAA AATAGCTACC CTCTCCGGCA TTAATTTATC 702 7021 AGCTAGAACG GTTGAATATC ATATTGATGG TGATTTGACT GTCTCCGGCC TTTCTCACCC 708 7081 TTTTGAATCT TTACCTACAC ATTACTCAGG CATTGCATTT AAAATATATG AGGGTTCTAA 714 7141 AAATTTTTAT CCTTGCGTTG AAATAAAGGC TTCTCCCGCA AAAGTATTAC AGGGTCATAA 720 7201 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTGAGGCT TTATTGCTTA ATTTTGCTAA 726 7261 TTCTTTGCCT TGCCTGTATG ATTTATTGGA CGTT	6900	TGA	ATATGAT	GTAC	ACCGGG	ATTATCA	C	TGGGGCTTTT	TTCCTGTTTT	TTATACAATC	6841
7021 AGCTAGAACG GTTGAATATC ATATTGATGG TGATTTGACT GTCTCCGGCC TTTCTCACCC 708 7081 TTTTGAATCT TTACCTACAC ATTACTCAGG CATTGCATTT AAAATATATG AGGGTTCTAA 714 7141 AAATTTTTAT CCTTGCGTTG AAATAAAGGC TTCTCCCGCA AAAGTATTAC AGGGTCATAA 720 7201 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTGAGGCT TTATTGCTTA ATTTTGCTAA 726 7261 TTCTTTGCCT TGCCTGTATG ATTTATTGGA CGTT	6960	SCAA	TCTCAGG	AGAC	TGCTCC	TCTTGTT	T 7	CGTTCATCGA	TTACGATTAC	CATGCTAGTT	6901
7081 TTTTGAATCT TTACCTACAC ATTACTCAGG CATTGCATTT AAAATATATG AGGGTTCTAA 714 7141 AAATTTTTAT CCTTGCGTTG AAATAAAGGC TTCTCCCGCA AAAGTATTAC AGGGTCATAA 720 7201 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTGAGGCT TTATTGCTTA ATTTTGCTAA 720 7261 TTCTTTGCCT TGCCTGTATG ATTTATTGGA CGTT	7020	CATC	TTAATTT	GGCA	CTCTCC	AGCTACC	A.	ATCTCTCAAA	GCCTTTGTAG	TGACCTGATA	6961
7141 AAATTTTTAT CCTTGCGTTG AAATAAAGGC TTCTCCCGCA AAAGTATTAC AGGGTCATAA 720 7201 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTGAGGCT TTATTGCTTA ATTTTGCTAA 720 7261 TTCTTTGCCT TGCCTGTATG ATTTATTGGA CGTT	7080	/CCC	TTTCTCAC	GGCC	GTCTCC	TTTGACT	т	ATATTGATGG	GTTGAATATC	AGCTAGAACG	7021
7201 TGTTTTTGGT ACAACCGATT TAGCTTTATG CTCTGAGGCT TTATTGCTTA ATTTTGCTAA 726 7261 TTCTTTGCCT TGCCTGTATG ATTTATTGGA CGTT 729	7140	CTAA	AGGGTTC'	TATG	AAAATA	TGCATTT	C?	ATTACTCAGG	TTACCTACAC	TTTTGAATCT	7081
7261 TTCTTTGCCT TGCCTGTATG ATTTATTGGA CGTT 729	7200	λΤΑΑ	AGGGTCA'	TTAC	AAAGTA'	TCCCGCA	T	AAATAAAGGC	CCTTGCGTTG	AAATTTTTAT	7141
7201 Herridder idderdinio militarios.	7260	CTAA	ATTTTGC'	CTTA	TTATTG	TGAGGCT	C.	TAGCTTTATG	ACAACCGATT	TGTTTTTGGT	7201
	7294	60	1	50	1						7261

FIG. 9D

1	AATGCTACTA	CTATTAGTAG	AATTGATGCC	I 40 ACCTTTTCAG	CTCGCGCCCC	06 I AAATGAAAAT	60
61	ATAGCTAAAC	AGGTTATTGA	CCATTTGCGA	AATGTATCTA	ATGGTCAAAC	ТАААТСТАСТ	120
121	CGTTCGCAGA	ATTGGGAATC	AACTGTTACA	TGGAATGAAA	CTTCCAGACA	CCGTACTTTA	; 180
181	GTTGCATATT	TAAAACATGT	TGAGCTACAG	CACCAGATTC	AGCAATTAAG	CTCTAAGCCA	240
241	TCTGCAAAAA	TGACCTCTTA	TCAAAAGGAG	CAATTAAAGG	ТАСТСТСТАА	TCCTGACCTG	.300
301	TTGGAGTTTG	CTTCCGGTCT	GGTTCGCTTT	GAAGCTCGAA	TTAAAACGCG	ATATTTGAAG	360
361	TCTTTCGGGC	TTCCTCTTAA	TCTTTTTGAT	GCAATCCGCT	TTGCTTCTGA	CTATAATAGT	420
421	CAGGGTAAAG	ACCTGATTTT	TGATTTATGG	TCATTCTCGT	TTTCTGAACT	GTTTAAAGCA	480
481	TTTGAGGGGG	ATTCAATGAA	TATTTATGAC	GATTCCGCAG	TATTGGACGC	TATCCAGTCT	540
541	AAACATTTTA	CTATTACCCC	CTCTGGCAAA	ACTTCTTTTG	CAAAAGCCTC	TCGCTATTTT	600
601	GGTTTTTATC	GTCGTCTGGT	AAACGAGGGT	TATGATAGTG	TTGCTCTTAC	TATGCCTCGT	660
661	AATTCCTTTT	GGCGTTATGT	ATCTGCATTA	GTTGAATGTG	GTATTCCTAA	ATCTCAACTG	720
721	ATGAATCTTT	CTACCTGTAA	TAATGTTGTT	CCGTTAGTTC	GTTTTATTAA	CGTAGATTTT	780
781	TCTTCCCAAC	GTCCTGACTG	GTATAATGAG	CCAGTTCTTA	AAATCGCATA	AGGTAATTCA	840
841	CAATGATTAA	AGTTGAAATT	AAACCATCTC	AAGCCCAATT	TACTACTCGT	TCTGGTGTTT	900
901	CTCGTCAGGG	CAAGCCTTAT	TCACTGAATG	AGCAGCTTTG	TTACGTTGAT	TTGGGTAATG	960
961	AATATCCGGT	TCTTGTCAAG	ATTACTCTTG	ATGAAGGTCA	GCCAGCCTAT	GCGCCTGGTC	1020
1021	TGTACACCGT	TCATCTGTCC	TCTTTCAAAG	TTGGTCAGTT	CGGTTCCCTT	ATGATTGACC	1080
1081	GTCTGCGCCT	CGTTCCGGCT	AAGTAACATG	GAGCAGGTCG	CGGATTTCGA	CACAATTTAT	1140
1141	CAGGCGATGA	TACAAATCTC	CGTTGTACTT	TGTTTCGCGC	TTGGTATAAT	CGCTGGGGGT	1200
1201	CAAAGATGAG	TGTTTTAGTG	TATTCTTTCG	CCTCTTTCGT	TTTAGGTTGG	TGCCTTCGTA	1260
1261	GTGGCATTAC	GTATTTTACC	CGTTTAATGG	AAACTTCCTC	ATGAAAAAGT	CTTTAGTCCT	1320
1321	CAAAGCCTCT	GTAGCCGTTG	CTACCCTCGT	TCCGATGCTG	TCTTTCGCTG	CTGAGGGTGA	1380
1381	CGATCCCGCA	AAAGCGGCCT	TTAACTCCCT	GCAAGCCTCA	GCGACCGAAT	ATATCGGTTA	1440
1441	TGCGTGGGCG	ATGGTTGTTG	TCATTGTCGG	CGCAACTATC	GGTATCAAGC	TGTTTAAGAA	1500
1501	ATTCACCTCG	AAAGCAAGCT	GATAAACCGA	TACAATTAAA	GGCTCCTTTT	GGAGCCTTTT	1560
1561	TTTTTGGAGA	TTTTCAACGT	GAAAAAATTA	TTATTCGCAA	TTCCTTTAGT	TGTTCCTTTC	1620
1621	TATTCTCACT	CCGCTGAAAC	TGTTGAAAGT	TGTTTAGCAA	AACCCCATAC	AGAAAATTCA	1680
1681	TTTACTAACG	TCTGGAAAGA	CGACAAAACT	TTAGATCGTT	ACGCTAACTA	TGAGGGTTGT	1740

FIG. 10A

174	1 CTGTGGAAT	G CTACAGGCG	T TGTAGTTTG	r actggtgac	G AAACTCAGTO	TTACGGTAC	A 1800
180	1 TGGGTTCCT	A TTGGGCTTG	C TATCCCTGA	A AATGAGGGT	G GTGGCTCTG#	GGGTGGCGGT	r 1860
186	1 TCTGAGGGT	G GCGGTTCTG	A GGGTGGCGG1	г астааассто	CTGAGTACGG	TGATACAÇCI	1920
192	1 ATTCCGGGC	Т АТАСТТАТА	r caaccttct	GACGGCACTT	ATCCGCCTGG	TACTGAGCA	1980
198	1 AACCCCGCT	A ATCCTAATCO	C TTCTCTTGAG	GAGTCTCAGC	CTCTTAATAC	TTTCATGTŢŢ	2040
204	1 CAGAATAAT	A GGTTCCGAA	A TAGGCAGGGG	GCATTAACTG	TTTATACGGG	CACTGTTACT	2100
210	1 CAAGGCACT	G ACCCCGTTA	A AACTTATTAC	CAGTACACTC	CTGTATCATC	AAAAGCCATG	2160
216	1 TATGACGCT	T ACTGGAACGO	TAAATTCAGA	GACTGCGCTT	TCCATTCTGG	CTTTAATGAA	2220
222	1 GATCCATTC	G TTTGTGAATA	TCAAGGCCAA	TCGTCTGACC	TGCCTCAACC	TCCTGTCAAT	2280
228	1 GCTGGCGGC	G GCTCTGGTGG	TGGTTCTGGT	GGCGGCTCTG	AGGGTGGTGG	CTCTGAGGGT	2340
234	1 GGCGGTTCT	G AGGGTGGCGG	CTCTGAGGGA	GGCGGTTCCG	GTGGTGGCTC	TGGTTCCGGT	2400
240	l GATTTTGATT	TATGAAAAGAT	GGCAAACGCT	AATAAGGGGG	CTATGACCGA	AAATGCCGAT	2460
2461	GAAAACGCGC	TACAGTCTGA	CGCTAAAGGC	AAACTTGATT	CTGTCGCTAC	TGATTACGGT	2520
2521	GCTGCTATC	ATGGTTTCAT	TGGTGACGTT	TCCGGCCTTG	CTAATGGTAA	TGGTGCTACT	2580
2581	. GGTGATTTTG	CTGGCTCTAA	TTCCCAAATG	GCTCAAGTCG	GTGACGGTGA	TAATTCACCT	2640
2641	TTAATGAATA	ATTTCCGTCA	ATATTTACCT	TCCCTCCCTC	AATCGGTTGA	ATGTCGCCCT	2700
2701	TTTGTCTTTA	GCGCTGGTAA	ACCATATGAA	TTTTCTATTG	ATTGTGACAA	AATAAACTTA	2760
2761	TTCCGTGGTG	TCTTTGCGTT	TCTTTTATAT	GTTGCCACCT	TTATGTATGT	ATTTTCTACG	2820
2821	TTTGCTAACA	TACTGCGTAA	TAAGGAGTCT	TAATCATGCC	AGTTCTTTTG	GGTATTCCGT	2880
2881	TATTATTGCG	TTTCCTCGGT	TTCCTTCTGG	TAACTTTGTT	CGGCTATCTG	CTTACTTTTC	2940
2941	TTAAAAAGGG	CTTCGGTAAG	ATAGCTATTG	CTATTTCATT	GTTTCTTGCT	CTTATTATTG	3000
3001	GGCTTAACTC	AATTCTTGTG	GGTTATCTCT	CTGATATTAG	CGCTCAATTA	CCCTCTGACT	3060
3061	TTGTTCAGGG	TGTTCAGTTA	ATTCTCCCGT	CTAATGCGCT	TCCCTGTTTT	TATGTTATTC	3120
3121	TCTCTGTAAA	GGCTGCTATT	TTCATTTTTG	ACGTTAAACA	AAAAATCGTT	TCTTATTTGG	3180
3181	ATTGGGATAA	ATAATATGGC	TGTTTATTTT	GTAACTGGCA	AATTAGGCTC	TGGAAAGACG	3240
3241	CTCGTTAGCG	TTGGTAAGAT	TTAGGATAAA	ATTGTAGCTG	GGTGCAAAAT	AGCAACTAAT	3300
3301	CTTGATTTAA	GGCTTCAAAA	CCTCCCGCAA	GTCGGGAGGT	TCGCTAAAAC	GCCTCGCGTT	3360
3361	CTTAGAATAC	CGGATAAGCC	ТТСТАТАТСТ	GATTTGCTTG	CTATTGGGCG	CGGTAATGAT	3420
3421	TCCTACGATG	ААААТАААА	CGGCTTGCTT	GTTCTCGATG	AGTGCGGTAC	TTGGTTTAAT	3480
3481	ACCCGTTCTT	GGAATGATAA	GGAAAGACAG	CCGATTATTG	ATTGGTTTCT	ACATGCTCGT	3540
3541	AAATTAGGAT	GGGATATTAT	TTTTCTTGTT	CAGGACTTAT	CTATTGTTGA	TAAACAGGCG	3600
3601	CGTTCTGCAT	TAGCTGAACA	TGTTGTTTAT	TGTCGTCGTC	TGGACAGAAT '	FACTTTACCT	3660

FIG. 10B

3661	TTTGTCGGTA	CTTTATATTC	TCTTATTACT	GGCTCGAAAA	TGCCTCTGCC	TAAATTACAT	3720
3721	GTTGGCGTTG	TTAAATATGG	CGATTCTCAA	TTAAGCCCTA	CTGTTGAGCG	TTGGCTTTAT	3780
3781	ACTGGTAAGA	ATTTGTATAA	CGCATATGAT	ACTAAACAGG	СТТТТТСТА	TAATTATGAT	3840
3841	TCCGGTGTTT	ATTCTTATTT	AACGCCTTAT	TTATCACACG	GTCGGTATTT	' САААССАТТА	3900
3901	AATTTAGGTC	AGAAGATGAA	GCTTACTAAA	ATATATTTGA	AAAAGTTTTC	ACGCGTTCTT	3960
3961	TGTCTTGCGA	TTGGATTTGC	ATCAGCATTT	ACATATAGTT	АТАТААСССА	ACCTAAGCCG	4020
4021	GAGGTTAAAA	AGGTAGTCTC	TCAGACCTAT	GATTTTGATA	AATTCACTAT	TGACTCTTCT	4080
4081	CAGCGTCTTA	ATCTAAGCTA	TCGCTATGTT	TTCAAGGATT	CTAAGGGAAA	ATTAATTAAT	4140
4141	AGCGACGATT	TACAGAAGCA	AGGTTATTCA	CTCACATATA	TTGATTTATG	TACTGTTTCC	4200
4201	ATTAAAAAAG	GTAATTCAAA	TGAAATTGTT	AAATGTAATT	AATTTTGTTT	TCTTGATGTT	4260
4261	TGTTTCATCA	TCTTCTTTTG	CTCAGGTAAT	TGAAATGAAT	AATTCGCCTC	TGCGCGATTT	4320
4321	TGTAACTTGG	TATTCAAAGC	AATCAGGCGA	ATCCGTTATT	GTTTCTCCCG	ATGTAAAAGG	4380
4381	TACTGTTACT	GTATATTCAT	CTGACGTTAA	ACCTGAAAAT	CTACGCAATT	TCTTTATTTC	4440
4441	TGTTTTACGT	GCTAATAATT	TTGATATGGT	TGGTTCAATT	CCTTCCATAA	TTCAGAAGTA	4500
4501	TAATCCAAAC	AATCAGGATT	ATATTGATGA	ATTGCCATCA	TCTGATAATC	AGGAATATGA	4560
4561	TGATAATTCC	GCTCCTTCTG	GTGGTTTCTT	TGTTCCGCAA	AATGATAATG	TTACTCAAAC	4620
4621	TTTTAAAATT	AATAACGTTC	GGGCAAAGGA	TTTAATACGA	GTTGTCGAAT	TGTTTGTAAA	4680
4681	GTCTAATACT	TCTAAATCCT	CAAATGTATT	ATCTATTGAC	GGCTCTAATC	TATTAGTTGT	4740
4741	TAGTGCACCT	AAAGATATTT	TAGATAACCT	TCCTCAATTC	CTTTCTACTG	TTGATTTGCC	4800
4801	AACTGACCAG	ATATTGATTG	AGGGTTTGAT	ATTTGAGGTT	CAGCAAGGTG	ATGCTTTAGA	4860
4861	TTTTTCATTT	GCTGCTGGCT	CTCAGCGTGG	CACTGTTGCA	GGCGGTGTTA	ATACTGACCG	4920
4921	CCTCACCTCT	GTTTTATCTT	CTGCTGGTGG	TTCGTTCGGT	ATTTTTAATG	GCGATGTTTT	4980
4981	AGGGCTATCA	GTTCGCGCAT	TAAAGACTAA	TAGCCATTCA	AAAATATTGT	CTGTGCCACG	5040
5041	TATTCTTACG	CTTTCAGGTC	AGAAGGGTTC	TATCTCTGTT	GGCCAGAATG	TCCCTTTTAT	5100
5101	TACTGGTCGT	GTGACTGGTG	AATCTGCCAA	TGTAAATAAT	CCATTTCAGA	CGATTGAGCG	5160
5161	TCAAAATGTA	GGTATTTCCA	TGAGCGTTTT	TCCTGTTGCA	ATGGCTGGCG	GTAATATTGT	5220
5221	TCTGGATATT	ACCAGCAAGG	CCGATAGTTT	GAGTTCTTCT	ACTCAGGCAA	GTGATGTTAT	5280
5281	TACTAATCAA	AGAAGTATTG	CTACAACGGT	TAATTTGCGT	GATGGACAGA	CTCTTTTACT	5340
5341	CGGTGGCCTC	ACTGATTATA	AAAACACTTC	TCAAGATTCT	GGCGTACCGT	TCCTGTCTAA	5400
5401	AATCCCTTTA	ATCGGCCTCC	TGTTTAGCTC	CCGCTCTGAT	TCCAACGAGG	AAAGCACGTT	5460
5461	ATACGTGCTC	GTCAAAGCAA	CCATAGTACG	CGCCCTGTAG	CGGCGCATTA	AGCGCGGCGG	5520
5521	GTGTGGTGGT	TACGCGCAGC	GTGACCGCTA	CACTTGCCAG	CGCCCTAGCG	CCCGCTCCTT	5580

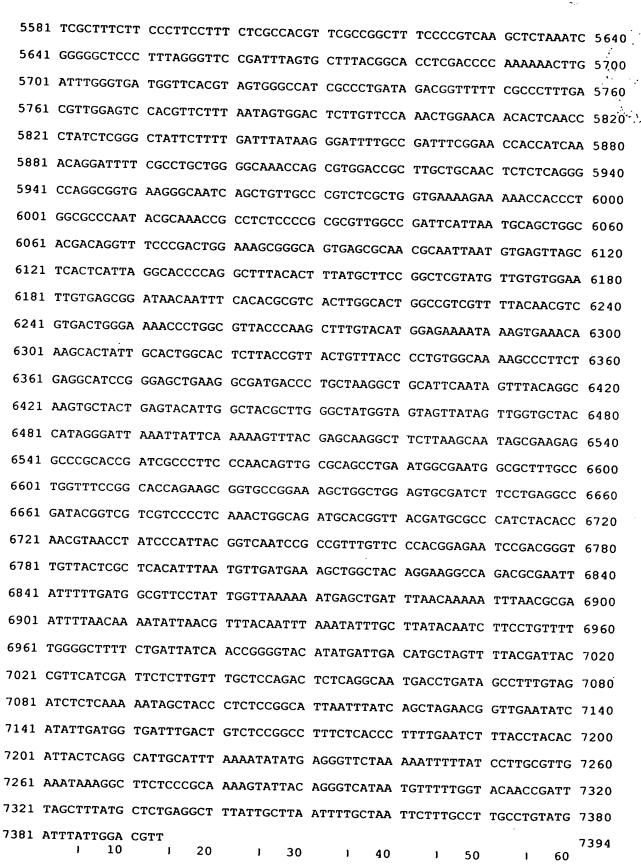


FIG. 10D